

## Interleukin 8 (IL8) Recombinant Protein | IL8 recombinant protein

Recombinant Interleukin 8 (IL8)

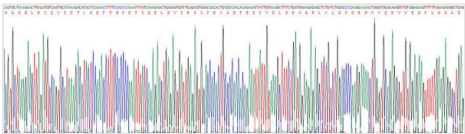
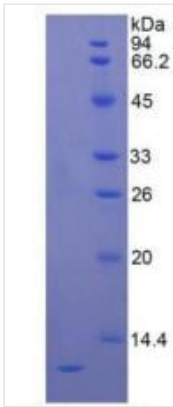
|                               |                       |                                           |                                               |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA134262</b> | HOST<br><b>E.coli</b> | REACTIVITY<br><b>Homo sapiens (Human)</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

Interleukin 8 (IL8); Recombinant Interleukin 8 (IL8); IL8 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Reactivity                                          | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification                                 | > 97%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Form/Format                                         | 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Concentration                                       | Original Concentration: 600ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Applicable Applications for IL8 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source                                              | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Residues                                            | Ser28~Ser99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tags                                                | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Subcellular Location                                | Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Traits                                              | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Predicted isoelectric point                         | 9.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Usage                                               | Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage                             | <p><b>Storage:</b><br/> Avoid repeated freeze/thaw cycles.<br/> Store at 2-8 degree C for one month.<br/> Aliquot and store at -80 degree C for 12 months.</p> <p><b>Stability Test:</b><br/> The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.</p> |



Application Data

SDS-PAGE

ELRVIESGPH CANTEIIVKL SDGRELCLDP SAK ELRCQCIKY SKPFHPKFIK KENWVQRVVE KFLKRAENS

Sequence

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 10834978                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NCBI GeneID                      | 3576                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| NCBI Accession #                 | NP_000575.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_000584.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt Accession #              | P10145; Q6FGF6; Q6LAE6; Q96RG6; Q9C077; Q9UCE1; Q9UCR8; Q9UCR9; Q9UCS0; B2R4L8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Molecular Weight                 | Predicted Molecular Mass: 11.9kDa<br>Accurate Molecular Mass: 12kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI Official Full Name          | interleukin-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| NCBI Official Synonym Full Names | interleukin 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| NCBI Official Symbol             | IL8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| NCBI Official Synonym Symbols    | NAF; GCP1; LECT; LUCT; NAP1; CXCL8; GCP-1; LYNAP; MDNCF; MONAP; NAP-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NCBI Protein Information         | interleukin-8; emoctakin; T-cell chemotactic factor; neutrophil-activating peptide 1; chemokine (C-X-C motif) ligand 8; beta-thromboglobulin-like protein; granulocyte chemotactic protein 1; tumor necrosis factor-induced gene 1; alveolar macrophage chemotactic factor I; monocyte-derived neutrophil chemotactic factor; monocyte-derived neutrophil-activating peptide; small inducible cytokine subfamily B, member 8; lymphocyte derived neutrophil activating peptide; lung giant cell carcinoma-derived chemotactic protein; beta endothelial cell-derived neutrophil activating peptide |
| UniProt Protein Name             | Interleukin-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt Gene Name                | IL8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| UniProt Synonym Gene Names       | CXCL8; IL-8; GCP-1; MDNCF; MONAP; NAP-1; LYNAP; NAF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| UniProt Entry Name               | IL8_HUMAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.