

## IL8 active protein

Recombinant Human IL8 (72aa)

CATALOG #  
**AAA214270**

HOST  
**E Coli**

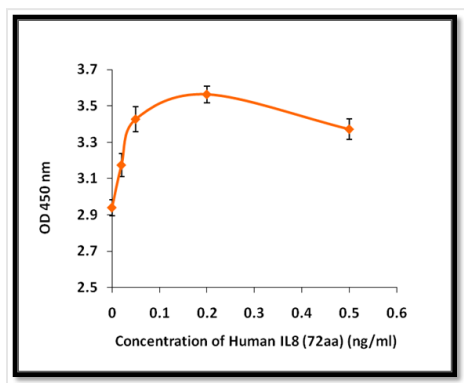
### PRODUCT SYNONYMS

IL8; Recombinant Human IL8 (72aa); IL-8; C-X-C motif chemokine 8; Emotakin; Granulocyte chemotactic protein 1; GCP-1; Monocyte-derived neutrophil chemotactic factor; MDNCF; Monocyte-derived neutrophil-activating peptide; MONAP; Neutrophil-activating protein 1; NAP-1; Protein 3-10C; T cell chemotactic factor; Recombinant Human Interleukin-8 (72AA) (IL8); IL8 active protein

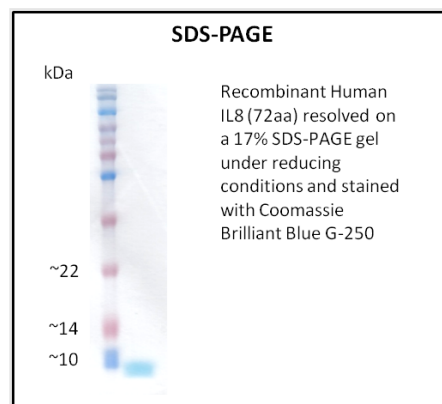
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                                                                                              |
| Purity/Purification     | >95% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                      |
| Form/Format             | Lyophilized from a 0.2 um filtered solution in PBS (pH 7.0)                                                                                                                                                                                                                                                                         |
| Sequence Length         | 99                                                                                                                                                                                                                                                                                                                                  |
| Bioactivity             | The ED50 as determined by dose dependent proliferation of endothelial cells was found to be <0.5ng/ml                                                                                                                                                                                                                               |
| Endotoxin Level         | <1.0 EU/ug of recombinant protein as determined by the LAL method                                                                                                                                                                                                                                                                   |
| Reconstitution          | A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.                                                                                                                                                            |
| Preparation and Storage | The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. |

### IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IL8 active protein | IL8 is produced by stimulated monocytes but not by tissue macrophages and T-lymphocytes. In many cell types the synthesis of IL8 is strongly stimulated by IL1, TNF-alpha and bacterial lipopolysaccharides. The expression of IL8 from resting and stimulated human blood monocytes is up-regulated by IL7. The IL8 receptor (CD128) is a dimeric glycoprotein consisting of a 59 kDa and a 67 kDa subunit. It is expressed in many different cell types including those not responding to IL8. IL8 differs from all other cytokines in its ability to specifically activate neutrophil granulocytes. IL8 also enhances the metabolism of reactive oxygen species and increases chemotaxis and the enhanced expression of adhesion molecules. Recombinant Human IL8 (72aa) represents the construct spanning residues 28 to 99, inclusive. |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 10834978                                                             |
| NCBI GeneID                      | 3576                                                                 |
| NCBI Accession #                 | NP_000575.1                                                          |
| NCBI GenBank Nucleotide #        | NP_000575.1                                                          |
| UniProt Accession #              | P10145                                                               |
| Molecular Weight                 | 8.3 kDa                                                              |
| NCBI Official Full Name          | interleukin-8 isoform 1                                              |
| NCBI Official Synonym Full Names | C-X-C motif chemokine ligand 8                                       |
| NCBI Official Symbol             | CXCL8                                                                |
| NCBI Official Synonym Symbols    | IL8; NAF; GCP1; LECT; LUCT; NAP1; GCP-1; LY NAP; MDNCF; MONAP; NAP-1 |
| NCBI Protein Information         | interleukin-8                                                        |
| UniProt Protein Name             | Interleukin-8                                                        |
| UniProt Gene Name                | IL8                                                                  |
| UniProt Synonym Gene Names       | CXCL8; IL-8; GCP-1; MDNCF; MONAP; NAP-1; LY NAP; 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.