

## Interleukin 8 (IL8) Active Protein | IL8 active protein

Active Interleukin 8 (IL8)

|                               |                       |                                                     |
|-------------------------------|-----------------------|-----------------------------------------------------|
| CATALOG #<br><b>AAA152972</b> | HOST<br><b>E coli</b> | APPLICATIONS<br><b>Activity Assay, Cell Culture</b> |
|-------------------------------|-----------------------|-----------------------------------------------------|

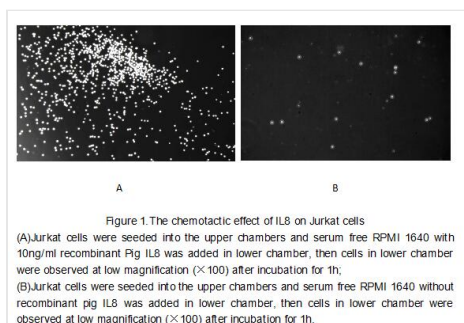
### PRODUCT SYNONYMS

Interleukin 8 (IL8); Active Interleukin 8 (IL8); Interleukin 8; IL8 active protein (prokaryotic); Pig; CXCL8; AMCF-I; GCP1; K60; LECT; LUCT; LYNAP; MDNCF; MONAP; NAF; NAP1; SCYB8; TSG1; B-ENAP; Neutrophil-Activating Protein 1; Granulocyte Chemotactic Protein 1; IL8 active protein

### PRODUCT SPECIFICATIONS

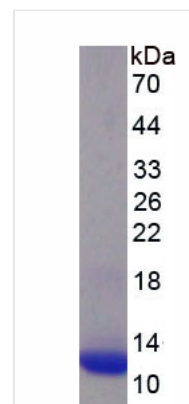
|                                                |                                                                                                              |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Host                                           | E coli                                                                                                       |
| Purity/Purification                            | Greater than 97% by SDS-PAGE                                                                                 |
| Form/Format                                    | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.<br>Freeze-dried powder                                       |
| Sequence Positions                             | Ala26~Gln103                                                                                                 |
| Applicable Applications for IL8 active protein | Activity Assay, Cell Culture                                                                                 |
| Expression System                              | Prokaryotic expression                                                                                       |
| Species                                        | Pig                                                                                                          |
| Tag                                            | N-terminal His                                                                                               |
| Endotoxin Level                                | <1.0EU per 1ug (determined by the LAL method)                                                                |
| Isoelectric Point                              | 9.3                                                                                                          |
| Research Area                                  | Cytokine                                                                                                     |
| Preparation and Storage                        | Store at 2-8 degree C for one month, -80 degree C for 12 months<br>Stable for 12 months if correctly stored. |

### IMAGES



#### Bioactivity

Interleukin 8 (IL8 or chemokine (C-X-C motif) ligand 8, CXCL8) is a chemokine produced by macrophages and other cell types such as epithelial cells, airway smooth muscle cells and endothelial cells. Thus, chemotaxis assay used 24-well microchemotaxis system.



#### SDS-PAGE

Figure. SDS-PAGE

ADDITIONAL INFORMATION

|                                                  |                 |
|--------------------------------------------------|-----------------|
| Product Categories/Family for IL8 active protein | Active proteins |
|--------------------------------------------------|-----------------|

NCBI AND UNIPROT INFORMATION

|                               |                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                     | 47523124                                                                                                                                 |
| NCBI GeneID                   | 396880                                                                                                                                   |
| NCBI Accession #              | NP_999032.1                                                                                                                              |
| NCBI GenBank Nucleotide #     | NM_213867.1                                                                                                                              |
| UniProt Accession #           | P26894; P22951                                                                                                                           |
| Molecular Weight              | 11,633 Da                                                                                                                                |
| NCBI Official Full Name       | interleukin-8                                                                                                                            |
| NCBI Official Symbol          | IL8                                                                                                                                      |
| NCBI Official Synonym Symbols | CXCL8; AMCF-I                                                                                                                            |
| NCBI Protein Information      | interleukin-8; IL-8; C-X-C motif chemokine 8; alveolar macrophage chemotactic factor I; alveolar macrophage-derived chemotactic factor-I |
| UniProt Protein Name          | Interleukin-8                                                                                                                            |
| UniProt Gene Name             | IL8                                                                                                                                      |
| UniProt Synonym Gene Names    | CXCL8; IL-8; AMCF-I                                                                                                                      |
| UniProt Entry Name            | IL8_PIG                                                                                                                                  |

**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.

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Online datasheet: <https://www.aaabiotech.com/e-coli-active-protein/interleukin-8-il8/152972>