

## ARG70031 Human IL8 recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | E. coli expressed, His-tagged (C-ter) Active Human IL8 recombinant protein  |
| Tested Application  | SDS-PAGE  |
| Target Name         | IL8   |
| Species             | Human   |
| A.A. Sequence       | Ser28 - Ser99   |
| Expression System   | E. coli   |
| Activity            | Active  |
| Activity Note       | Determined by its ability to chemoattract PBMC. The ED50 for this effect is < 2 ng/mL.  |
| Alternate Names     | IL8/NAP1 form IV; GCP/IL-8 protein IV; NAF; T-cell chemotactic factor; 1-77; Ala-IL-8; Interleukin-8; IL-8; Neutrophil-activating protein 1; GCP/IL-8 protein II; IL8/NAP1 form II; GCP/IL-8 protein V; MDNCF; Protein 3-10C; Lymphocyte-derived neutrophil-activating factor; Neutrophil-activating factor; Granulocyte chemotactic protein 1; LYNAP; NAP-1; Monocyte-derived neutrophil chemotactic factor; 6-77; 7-77; C-X-C motif chemokine 8; GCP1; NAP1; Ser-IL-8; 5-77; GCP/IL-8 protein VI; IL8/NAP1 form I; IL8/NAP1 form VI; Monocyte-derived neutrophil-activating peptide; C-X-C motif; 8-77; 9-77; LUCT; Chemokine; GCP-1; MDNCF-b; MDNCF-c; IL8/NAP1 form V; LECT; IL8/NAP1 form III; GCP/IL-8 protein III; Emoctakin; GCP/IL-8 protein I; MONAP; IL8 |

### Properties

|                     |   |
|---------------------|---|
| Form                | Powder  |
| Purification Note   | Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.   |
| Purity              | > 98% (by SDS-PAGE)   |
| Buffer              | PBS (pH 8.0)  |
| Reconstitution      | It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.                                     |
| Storage instruction | For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.  |

### Bioinformation

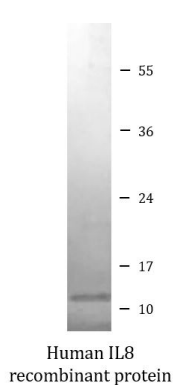
|                |  |
|----------------|--|
| Gene Symbol    | CXCL8  |
| Gene Full Name | chemokine (C-X-C motif) ligand 8   |
| Background     | The protein encoded by this gene is a member of the CXC chemokine family. This chemokine is one of the major mediators of the inflammatory response. This chemokine is secreted by several cell types. It functions as a chemoattractant, and is also a potent angiogenic factor. This gene is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. |

This gene and other ten members of the CXC chemokine gene family form a chemokine gene cluster in a region mapped to chromosome 4q. [provided by RefSeq, Jul 2008]

|                       |   |
|-----------------------|---|
| Function              | IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8(6-77) has a 5-10-fold higher activity on neutrophil activation, IL-8(5-77) has increased activity on neutrophil activation and IL-8(7-77) has a higher affinity to receptors CXCR1 and CXCR2 as compared to IL-8(1-77), respectively. [UniProt] |
| Highlight             | Related products:<br><a href="#">IL8 antibodies</a> ; <a href="#">IL8 ELISA Kits</a> ; <a href="#">IL8 Duos / Panels</a> ; <a href="#">IL8 recombinant proteins</a> ;<br>Related news:<br><a href="#">HMGB1 in inflammation</a><br><a href="#">Inflammatory Cytokines</a>   |
| PTM                   | Several N-terminal processed forms are produced by proteolytic cleavage after secretion from at least peripheral blood monocytes, leukocytes and endothelial cells. In general, IL-8(1-77) is referred to as interleukin-8. IL-8(6-77) is the most prominent form.<br><br>Citryllination at Arg-27 prevents proteolysis, and dampens tissue inflammation, it also enhances leukocytosis, possibly through impaired chemokine clearance from the blood circulation. [UniProt]          |
| Cellular Localization | Secreted. [UniProt]   |

## Images

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ARG70031 Human IL8 recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70031 Human IL8 recombinant protein (Active) (His-tagged, C-ter).