

Interleukin-8 Active Protein | IL 8 active protein

Recombinant Human Interleukin-8 (1-72) (CXCL8)

CATALOG #
AAA38079

HOST
E Coli

PRODUCT SYNONYMS

Interleukin-8; Recombinant Human Interleukin-8 (1-72) (CXCL8); IL 8 Human (1-72); Interleukin-8 (1-72 a.a.) Human Recombinant (CXCL8); IL-8; CXCL8; Monocyte-derived neutrophil chemotactic factor; MDNCF; T-cell chemotactic factor; Neutrophil-activating protein 1; NAP-1; Protein 3-10C; Granulocyte chemotactic protein 1; GCP-1; Monocyte-derived neutrophil-activating peptide; MONAP; Emotakin; K60; NAF; LECT; LUCT; 3-10C; LYAP; SCYB8; TSG-1; AMCF-I; b-ENAP; IL 8 (1-72); IL 8 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The IL-8 was lyophilized from a concentrated (1mg/ml) solution in water containing no additives. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	Thesequenc eofthefirs tfiveN-ter minalamino acidswasde terminedan dwasfoundt obeSer-Ala -Lys-Glu-L eu
Sequence Length	99
Solubility	It is recommended to reconstitute the lyophilized Interleukin-8 in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Specific Activity of IL8 in chemotaxis of donor PBL neutrophils, threshold concentration corresponding to 10-100 ng/ml corresponding to a Specific Activity of 10,000-100,000IU/mg.
Preparation and Storage	Lyophilized Interleukin-8 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution CXCL8 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IL 8 active protein	Description: Interleukin-8 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 72 amino acids and having a molecular mass of 8452 Dalton. The IL-8 is purified by proprietary chromatographic techniques. Introduction: Interleukin-8 (IL-8) is a chemokine produced by macrophages and other cell types such as epithelial cells. It is also synthesized by endothelial cells, which store IL-8 in their storage vesicles, the Weibel-Palade bodies. When first encountering an antigen, the primary cells to encounter it are the macrophages who phagocytose the particle. Upon processing, they release chemokines to signal other immune cells to come in to the site of inflammation. IL-8 is one such chemokine. It serves as a chemical signal that attracts neutrophils at the site of inflammation, and therefore is also known as Neutrophil Chemotactic Factor.
Product Categories/Family for IL 8 active protein	Chemokines; Interleukin-8 (CXCL8)

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	11,338 Da
NCBI Official Full Name	interleukin-8
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 8
NCBI Official Symbol	CXCL8
NCBI Official Synonym Symbols	IL8; NAF; GCP1; LECT; LUCT; NAP1; GCP-1; LYNAP; MDNCF; MONAP; NAP-1
NCBI Protein Information	interleukin-8; T-cell chemotactic factor; alveolar macrophage chemotactic factor I; beta endothelial cell-derived neutrophil activating peptide; beta-thromboglobulin-like protein; emoctakin; granulocyte chemotactic protein 1; interleukin 8; lung giant cell carcinoma-derived chemotactic protein; lymphocyte derived neutrophil activating peptide; monocyte-derived neutrophil chemotactic factor; monocyte-derived neutrophil-activating peptide; neutrophil-activating peptide 1; small inducible cytokine subfamily B, member 8; tumor necrosis factor-induced gene 1
UniProt Protein Name	Interleukin-8
UniProt Gene Name	CXCL8
UniProt Synonym Gene Names	IL8; 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.

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Online datasheet: <https://www.aaabiotech.com/e-coli-il-8-active-protein/interleukin-8/38079>