Active Recombinant Human IL8 protein

Cat. No. IL8-0209H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL8 protein(Tyr37-Asp193) was expressed in E.coli .
Species	Human
Source	E.coli
ProteinLength	37-193 a.a.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Loaded Human IL-18BP, Fc Tag on Protein A Biosensor, can bind Human IL-18, Tag Free with an affinity constant of 8.09 nM as determined in BLI assay (ForteBio Octet Red96e).Human IL-18 R1, Fc Tag on Protein A Biosensor, can bind Human IL-18, Tag Free with an affinity constant of 179 nM as determined in BLI assay (ForteBio Octet Red96e).
Molecular Mass	This protein carries no "tag"The protein has a calculated MW of 18.3 kDa. The protein migrates as 18 kDa under reducing (R) condition (SDS-PAGE).
Proteinlength	Tyr37-Asp193
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL8 interleukin 8 [Homo sapiens]
Official Symbol	IL8
Synonyms	IL8; interleukin 8; interleukin-8; 3 10C; alveolar macrophage chemotactic factor I; AMCF I; b ENAP; beta endothelial cell derived neutrophil activating peptide; chemokine (C X C motif) ligand 8; CXCL8; GCP 1; GCP1; granulocyte chemotactic protein 1; IL 8; K60; LECT; LUCT; lung giant cell carcinoma derived chemotactic protein; lymphocyte derived neutrophil activating peptide; LYNAP; MDNCF; MONAP; monocyte derived neutrophil chemotactic factor; monocyte derived neutrophil activating peptide; NAF; NAP 1; NAP1; neutrophil activating peptide 1; SCYB8; TSG 1; tumor necrosis factor induced gene 1; emoctakin; T-cell chemotactic factor; neutrophil-activating peptide 1; chemokine (C-X-C motif) ligand 8; beta-thromboglobulin-like protein; tumor necrosis factor-induced gene 1; monocyte-derived neutrophil chemotactic factor; monocyte-derived neutrophil-activating peptide; small inducible cytokine subfamily B, member 8; lung giant cell carcinoma-derived chemotactic protein; beta endothelial cell-derived neutrophil activating peptide; GCP-1; NAP-1;
Gene ID	3576

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mRNA Refseq	NM_000584
Protein Refseq	NP_000575
MIM	146930
UniProt ID	P10145

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