

Recombinant Human Interleukin 8, His-tagged

Cat. No. IL8-516H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human active form IL-8 (contains 72 amino acids) with N-terminal His-tag was expressed in E. coli cells and purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
Description	IL-8 or interleukin 8 is a member of the CXC chemokine family that is one of the major mediators of the inflammatory response and several cell types secrete this chemokine. It functions as a chemoattractant, and is also a potent angiogenic factor. IL-8 plays an essential role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. IL8 is produced and released from human adipose tissue and from isolated adipocytes in vitro, which may indicate that IL8 from adipose tissue could be involved in some obesity-related complications.
Applications	Cell Assay
Molecular Weight	11.3 kDa
Expression System	E.coli
Form	Recombinant 0.1ng/ug (IEU/ug) of IL-8.
Purity	> 95 %

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Concentration	0.2 ug/ul
Sequences	Contains 72 amino acids
Storage	Stored at desiccated below -20°C. It is stable at 4oC between 2-7 days. For long term storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Pathways	ATF-2 transcription factor network; Amoebiasis; Bladder cancer; Influenza A; LPA receptor mediated events; Pathways in cancer; SIDS Susceptibility Pathways; Signaling by GPCR; Toll-like receptor signaling pathway; Unfolded Protein Response; Validated transcriptional targets of AP1 family members Fra1 and Fra2

GENE INFORMATION

Gene Name	IL8 interleukin 8 [Homo sapiens]
Official Symbol	IL8
Synonyms	IL8; interleukin 8; IL-8; NAF; GCP1; LECT; LUCT; NAP1; CXCL8; GCP-1; LY NAP; MDNCF; MONAP; 3-10C; AMCF-I; CXCL8; GCP-1; GCP1; K60; NAP-1; NAP1; SCYB8; TSG-1; b-ENAP; neutrophil-activating peptide 1; chemokine (C-X-C motif) ligand 8; beta-thromboglobulin-like protein; granulocyte chemotactic protein 1; monocyte-derived neutrophil chemotactic factor; small inducible cytokine subfamily B, member 8; lymphocyte-derived neutrophil-activating factor; emoctakin; Emoctakin; C-X-C motif chemokine 8; Granulocyte chemotactic protein 1; Monocyte-derived neutrophil chemotactic factor; Monocyte-derived neutrophil-activating peptide; Neutrophil-activating protein 1; Protein 3-10C; T cell chemotactic factor; T-cell chemotactic factor

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Gene ID	3576
mRNA Refseq	NM_000584
Protein Refseq	NP_000575
MIM	146930
UniProt ID	P10145
Chromosome Location	4q13-q21
Function	chemokine activity; interleukin-8 receptor binding; protein binding
PDBrendering based on 1IL8.	