

Active Recombinant Human interleukin 8, HlgG1 Fc-tagged, mutant

Cat. No. IL8-311H Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human IL-8 (NP_000575.1)(Ala23-Ser99) is fused to the N-terminus of the Fc region of a mutant human IgG1 was expressed in CHO cell
Species	human
Source	CHO
ProteinLength	23-99 a.a.
Description	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
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its chemotaxis of human CXCR-2 transfected mouse BaF/3 cells.
Molecular Mass	37 KDa (monomer)
AA Sequence	Ala23-Ser99

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Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

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-

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	1; NAP-1;
Gene ID	3576
mRNA Refseq	NM_000584
Protein Refseq	NP_000575
MIM	146930
UniProt ID	P10145
Chromosome Location	4q13-q21
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Activation of Genes by ATF4, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem;
Function	chemokine activity; interleukin-8 receptor binding; protein binding;

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