

Active Recombinant Human interleukin 8, MlgG2a Fc-tagged

Cat. No. CXCL8-321H **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 portion of mouse IgG2a 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	CXCL8
Official Symbol	CXCL8
Synonyms	IL8; NAF; GCP1; LECT; LUCT; NAP1; GCP-1; LYNAP; MDNCF; MONAP; NAP-1
Gene ID	3576
mRNA Refseq	NM_000584
Protein Refseq	NP_000575
MIM	146930
UniProt ID	P10145
Chromosome Location	4q13-q21

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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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