Recombinant Human IL8

Cat. No. IL8-27457TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human IL8; 77 amino acids, 8.9 kDa.
Species	Human
Source	E.coli
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.
Biological activity	Biological Activity:Specific Activity of IL8 in chemotaxis of donor PBL neutrophils, threshold concentration corresponding to 25-150ng/ml.
Form	Lyophilised:Reconstitute in sterile 18MO-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.Upon reconstitution IL8-27457TH should be stored at 4°C between 2-7 days and for future use below -18°C. For long term sto
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: ddH20

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Storage	Lyophilized protein should be stored below -20°C. Upon reconstitution aliquot and store below -18°C to prevent freeze-thaw cycles.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Sequences of amino acids	The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Ala-Lys-Glu-Leu.
Sequence Similarities	Belongs to the intercrine alpha (chemokine CxC) family.
Full Length	Full L.

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;
Gene ID	3576
mRNA Refseq	NM_000584
Protein Refseq	NP_000575
MIM	146930

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Uniprot ID	P10145
Chromosome Location	4q13-q21
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem;
Function	chemokine activity; interleukin-8 receptor binding; protein binding;

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