

Recombinant Human CCL18, His-tagged

Cat. No. CCL18-30163TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Macrophage Inflammatory Protein 4 , with an N terminal His tag, 93aa, 10.4kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	68 amino acids
Description	This gene is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for naive T cells, CD4+ and CD8+ T cells and nonactivated lymphocytes, but not for monocytes or granulocytes. This chemokine attracts naive T lymphocytes toward dendritic cells and activated macrophages in lymph nodes. It may play a role in both humoral and cell-mediated immunity responses.
Conjugation	HIS
Molecular Weight	10.400kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 10% Glycerol, 10mM Sodium citrate, pH 3.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMGSHMQVGTNKELCCLVYTSWQIPQKFIVDYSETS PQCPKPGVILLTKRGRQICADPNKKWVQKYISDLKLNA

GENE INFORMATION

Gene Name	CCL18 chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated) [Homo sapiens]
Official Symbol	CCL18
Synonyms	CCL18; chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated); SCYA18, small inducible cytokine subfamily A (Cys Cys), member 18, pulmonary and activation regulated; C-C motif chemokine 18; AMAC 1; CKb7; DC CK1; DCCK1; MIP 4; PARC;
Gene ID	6362
mRNA Refseq	NM_002988
Protein Refseq	NP_002979
MIM	603757
Uniprot ID	P55774
Chromosome	17q11.2

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Location

Pathway

Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;

Function

chemokine activity; protein binding;

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