

Active Human CCL18, Biotin-tagged

Cat. No. CCL18-113H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	It is a synthetic Protein with Biotin tag.
Species	Human
Description	Pulmonary and activation-regulated chemokine (PARC)-1, which has also been identified as alternative macrophage activation-associated CC chemokine-1 (AMAC-1), Macrophage Inflammatory Protein-4 (MIP-4) and dendritic cell chemokine (DC-CK1), is a novel CC chemokine which shares 61% sequence homology with MIP-1 . PARC-1 cDNA encodes an 89 amino acid protein which contains a 20 amino acid signal peptide that is cleaved to generate the mature 69 amino acid protein lacking glycosylation sites. PARC-1 is highly expressed in lung and placenta but is not expressed in epidermal Langerhans cells.
Form	Lyophilized
Bio-activity	Activity measured by ability of the protein to induce chemotaxis in T-lymphocytes. ED50 for this measurement is generally 0.5-2 µg/ml.
Applications	Activity Assay
Storage	Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles
Reconstitution	Recommended reconstitution in sterile phosphate buffered saline which contains at least 0.1% human or bovine serum albumin to prepare a stocksolution of no less than 20 µg/ml and vortex thoroughly.

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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; CC chemokine PARC; CC chemokine ligand 18; chemokine (C-C), dendritic; dendritic cell chemokine 1; small inducible cytokine A18; small-inducible cytokine A18; macrophage inflammatory protein 4; pulmonary and activation-regulated chemokine; alternative macrophage activation-associated CC chemokine 1; small inducible cytokine subfamily A (Cys-Cys), member 18, pulmonary and activation-regulated; AMAC1; MIP-4; AMAC-1; DC-CK1; SCYA18;
Gene ID	6362
mRNA Refseq	NM_002988
Protein Refseq	NP_002979
MIM	603757
UniProt ID	P55774
Chromosome Location	17q11.2
Pathway	Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling

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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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