

Bioactive

CCL18 (Human) Recombinant Protein

Catalog # P9550

Size 2 x 10 ug

Specification

Product Description	Human CCL18 (P55774, 21 a.a. - 89 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	AQVGTNKELCCLVYTSWQIPQKFVDYSETSPQC PKPGVILLTKRGRQICADPNKKWVQKYISDLK LNA
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	7.8
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 97.0% by SDS-PAGE
Activity	The Biological activity is 1 - 10 ng/mL, was calculated by the ability to chemoattract primary Human T lymphocytes, corresponding to a specific activity of 100000 - 1000000 IU/mg.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — CCL18

Entrez GeneID [6362](#)

Protein Accession# [P55774](#)

Gene Name CCL18

Gene Alias AMAC-1, AMAC1, CKb7, DC-CK1, DCCK1, MIP-4, PARC, SCYA18

Gene Description chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)

Omim ID [603757](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations CC chemokine ligand 18|alternative macrophage activation-associated CC chemokine 1|chemokine (C-C), dendritic|dendritic cell chemokine 1|macrophage inflammatory protein 4|pulmonary and activation-regulated chemokine|small inducible cytokine A18|small inducible

Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Infant](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Respiratory Syncytial Virus Infections](#)