Bioactive

CCL18 (Human) Recombinant Protein

Catalog # P7217 Size 10 ug

Specification

Product Description	Human CCL18 (P55774, 21 a.a. - 89 a.a.) partial recombinant protein expressed in *Escherichia coli* .
Sequence	AQVGTNKELCCLVYTSWQIPQKFIVDYSETSPQCPKPGVILLTKRGRQICADPNKKWVQKYISDLK LNA
Host	Escherichia coli
Theoretical MW (kDa)	7.9
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 97% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a conc entration range of 1.0 - 10.0 ng/ml.
Storage Buffer	Lyophilized from sterile distilled Water up to 0.1 - 1.0 mg/ml
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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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 pr ocesses. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine e ncoded by this gene displays chemotactic activity for naive T cells, CD4+ and CD8+ T cells and n onactivated lymphocytes, but not for monocytes or granulocytes. This chemokine attracts naive T l ymphocytes toward dendritic cells and activated macrophages in lymph nodes. It may play a role i n both humoral and cell-mediated immunity responses. [provided by RefSeq
Other Designations	CC chemokine ligand 18|alternative macrophage activation-associated CC chemokine 1|chemok ine (C-C), dendritic|dendritic cell chemokine 1|macrophage inflammatory protein 4|pulmonary and activation-regulated chemokine|small inducible cytokine A18|small indu

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

Disease

- Asthma
- Birth Weight
- Bronchiolitis
- Cardiovascular Diseases
- Diabetes Mellitus

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- Edema
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Infant
- Leukemia
- Meningeal Neoplasms
- Meningioma
- Respiratory Syncytial Virus Infections

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