Bioactive

CCL23 (Human) Recombinant Protein

Catalog # P3653 Size 20 ug

Specification

Product Description	Human CCL23 (P55773 , 22 a.a. - 120 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	RVTKDAETEFMMSKLPLENPVLLDRFHATSADCCISYTPRSIPCSLLESYFETNSECSKPGVIFLTK KGRRFCANPSDKQVQVCMRMLKLDTRIKTRKN
Host	Escherichia coli
Theoretical MW (kDa)	11
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	Determined by the ability to chemoattract human T cells using a concentration range of 2.0-40.0 ng/mL.
Storage Buffer	Lyophilized from 20 mM PB, 100 mM NaCl, pH 7.5
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — CCL23

Entrez GeneID	6368
Protein Accession#	P55773
Gene Name	CCL23
Gene Alias	CK-BETA-8, CKb8, Ckb-8, Ckb-8-1, MIP-3, MIP3, MPIF-1, SCYA23
Gene Description	chemokine (C-C motif) ligand 23
Omim ID	602494
Gene Ontology	Hyperlink
Gene Summary	This gene is one of several 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 on resting T lymphocytes and monocytes, lower activity on neut rophils and no activity on activated T lymphocytes. The protein is also a strong suppressor of colo ny formation by a multipotential hematopoietic progenitor cell line. In addition, the product of this g ene is a potent agonist at CC chemokine receptor 1. Two alternatively spliced variants encoding different active isoforms have been identified. [provided by RefSeq
Other Designations	C6 beta-chemokine|OTTHUMP00000163948|hmrp-2a|macrophage inflammatory protein 3|myelo id progenitor inhibitory factor 1|small inducible cytokine A23|small inducible cytokine subfamily A (Cys-Cys), member 23

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

Disease

- Asthma
- Bronchiolitis
- Genetic Predisposition to Disease
- HIV Infections

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- Infant
- Respiratory Syncytial Virus Infections

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