Bioactive

CCL23 (Human) Recombinant Protein

Catalog # P9543 Size 20 ug

Specification

Product Description	Human CCL23 (P55773, 22 a.a. - 123 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	RVTKDAETEFMMSKLPLENPVLLDRFHATSADCCISYTPRSIPCSLLESYFETNSECSKPGVIFLTK KGRRFCANPSDKQVQVCMRMLKLDTRIKTRKN
Host	Escherichia coli
Theoretical MW (kDa)	11.3
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 97.0% by SDS-PAGE
Activity	The Biological activity is 10 - 50 ng/mL, was determined by the ability to chemoattract human T cell population, corresponding to a specific activity of 20000 - 100000 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

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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
- Infant

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- Respiratory Syncytial Virus Infections

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