Bioactive

CCL14 (Human) Recombinant Protein

Catalog # P9475 Size 2 x 10 ug

Specification

Product Description	Human CCL14 (Q16627, 22 a.a. - 93 a.a.) partial recombinant protein expressed in *Escherichia coli* .
Sequence	TESSSRGPYHPSECCFTYTTYKIPRQRIMDYYETNSQCSKPGIVFITKRGHS_x005F_x005F_x005F_x000D__x005F_x000D__x000D_ VCTNPSDKWVQDYIKDMKEN
Host	Escherichia coli
Theoretical MW (kDa)	8.4
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 97.0% by SDS-PAGE
Activity	The Biological activity is 5 - 20 ng/mL, was determined by the ability to chemoattract Human monocytes, corresponding to a specific activity of 50000 - 200000 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 — CCL14

Entrez GeneID	6358
Protein Accession#	Q16627
Gene Name	CCL14
Gene Alias	CC-1, CC-3, CKb1, HCC-1, HCC-3, MCIF, NCC-2, NCC2, SCYA14, SCYL2, SY14
Gene Description	chemokine (C-C motif) ligand 14
Omim ID	601392
Gene Ontology	Hyperlink
Gene Summary	This gene, CCL14, is one of several CC cytokine genes clustered on 17q11.2. The CC cytokines are secreted proteins characterized by two adjacent cysteines. The cytokine encoded by this gene induces changes in intracellular calcium concentration and enzyme release in monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Read-through transcripts are also expressed that include exons from the upstream cytokine gene CCL15, and are represented as GeneID: 348249. [provided by RefSeq
Other Designations	OTTHUMP00000176860|chemokine CC-1|chemokine CC-3|small inducible cytokine subfamily A (Cys-Cys), member 14

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

Disease

- Asthma
- Bronchiolitis
- Genetic Predisposition to Disease
- Infant
- Lupus Erythematosus
- Multiple Sclerosis

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- Respiratory Syncytial Virus Infections
- Tobacco Use Disorder

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