

Bioactive

CCL14 (Human) Recombinant Protein

Catalog # P3618

Size 10 ug

Specification

Product Description	Human CCL14 (Q16627, 22 a.a. - 93 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	KTESSSRGPYHPSECCFTYTTYKIPRQRIMDYETNSQCSPGMFITKRGHSVCTNPSDKWVQDYI KDMKEN
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	9
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> 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 monocytes 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

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](#)
- [Respiratory Syncytial Virus Infections](#)
- [Tobacco Use Disorder](#)