

Recombinant Human Chemokine (C-C motif) Ligand 22

Cat. No. CCL22-1874H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant HumanCCL22 is a 8.0 kDa protein containing 67 amino acid residues. Its molecularweight is 8000 Dalton.
Species	Human
Source	E.coli
Description	CCL22 is a proteinthat in humans is encoded by the CCL22 gene. The protein encoded by this geneis secreted by dendritic cells and macrophages, and elicits its effects onits target cells by interacting with cell surface chemokine receptors such asCCR4. The gene for CCL22 is located in human chromosome 16 in a cluster withother chemokines called CX3CL1 and CCL17.
Form	Lyophilized
Molecular Weight	8.0 kDa
Purity	Greater than 99% bySDS-PAGE and HPLC analyses.
Endotoxin Level	< 0.1 ng/g ofMDC
Biological Activity	Determined by achemotaxis assay using human T-cells. Significant chemotaxis was achievedusing a concentration of 10.0-100 ng/ml.
Reconstitution	Centrifuge vialprior to opening. The lyophilized MDC is soluble in water and most

 Tel: 1-631-559-9269 1-516-512-3133

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aqueous buffers. The lyophilized human MDC can be reconstituted in water to a concentration of 1.0 mg/ml. This solution can be diluted into other buffered solutions or stored frozen at -20°C for future use.

Storage

The lyophilized protein, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted MDC should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.

Official Symbol

CCL22

GENE INFORMATION

Gene Name

[CCL22 chemokine \(C-C motif\) ligand 22 \[Homo sapiens\]](#)

Synonyms

CCL22; chemokine(C-C motif) ligand 22; MDC; ABCD-1; SCYA22; STCP-1; DC/B-CK; MGC34554; A-152E5.1; small inducible cytokine A22; CC chemokine STCP-1; macrophage-derived chemokine; stimulated T cell chemotactic protein 1; small inducible cytokine subfamily A (Cys-Cys), member 22; Macrophage-derived chemokine; Small-inducible cytokine A22; Stimulated T-cell chemotactic protein 1; MDC(1-69)

Gene ID

[6367](#)

mRNA Refseq

[NM_002990](#)

Protein Refseq

[NP_002981](#)

MIM

[602957](#)

UniProt ID

[O00626](#)

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Chromosome Location	16q13
Pathway	Chemokine receptorsbind chemokines; Chemokine signaling pathway; Cytokine-cytokine receptorinteraction; Class A/1 (Rhodopsin-like receptors); GPCR ligand binding;Peptide ligand-binding receptors; Signal Transduction; Signaling by GPCR
Function	chemokine activity

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