

Recombinant Human Chemokine (C-C Motif) Ligand 22, His-tagged

Cat. No. CCL22-112H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CCL22/MDC, fused to His-tag at N-terminus, was expressed as insoluble protein aggregate in <i>E.coli</i> and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer. MW =10.3 kDa (90aa).
Species	Human
Source	E.coli
Description	CCL22/MDC is a small cytokine belonging to the CC chemokine family. This protein displays chemotactic activity for natural killer cells, chronically activated T lymphocytes, monocytes and dendritic cells. It interacts with cell surface chemokine receptors CCR4. This chemokine may play a role in the trafficking of activated T lymphocytes to inflammatory sites and other aspects of activated T lymphocyte physiology.
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGPYGANMED SVCCRDYVRY RLPLRVVKHF YWTSDSCPRP GVVLLTFRDK EICADPRVPW VKMILNKLSQ
Form	Liquid. In phosphate-buffered Saline(PBS) pH7.4, 10% glycerol.
Purity	> 95% by SDS – PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).

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Endotoxin Level < 1.0 EU per 1 µg of protein (determined by LAL method).

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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

Chromosome Location 16q13

Pathway Chemokine signaling pathway; Cytokine-cytokine receptor interaction

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Function

chemokine activity

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