Active Recombinant Human CCL22 Protein (69 aa)

Cat. No. CCL22-081C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCL22 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	69
Description	MDC is a CC chemokine that is produced in B cells, macrophages, monocyte-derived dendritic cells, activated NK cells and CD4 T cells. It signals through the CCR4 receptor. MDC chemoattracts monocytes, dendritic cells and NK cells and exerts HIV suppressive activity.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	Fully biologically active when compared to standard. Determined by its ability to chemoattract human T cells using a concentration range of 10.0-100.0 ng/mL, corresponding to a Specific Activity of 1 × 10^4 IU/mg.
Molecular Mass	8.1 kDa, a single, non-glycosylated polypeptide chain containing 69 amino acids.
AA Sequence	GPYGANMEDSVCCRDYVRYRLPLRVVKHFYWTSDSCPRPGVVLLTFRDKEICADP RVPWVKMILNKLSQ
Endotoxin	Less than 1 EU/mg of rHuMDC/CCL22 as determined by LAL method.

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Purity	>97% by SDS-PAGE and HPLC analyses.
Storage	This lyophilized preparation is stable for several weeks at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 to -70 centigrade. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2mm filtered concentrated solution in 20mM PB, pH7.4, 500mM NaCl.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at < -20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	CCL22 chemokine (C-C motif) ligand 22 [Homo sapiens]
Official Symbol	CCL22
Synonyms	CCL22; chemokine (C-C motif) ligand 22; SCYA22, small inducible cytokine subfamily A (Cys Cys), member 22; C-C motif chemokine 22; A 152E5.1; ABCD 1; DC/B CK; MDC; MGC34554; STCP 1; MDC(1-69); CC chemokine STCP-1; macrophage-derived chemokine; small inducible cytokine A22; small-inducible cytokine A22; stimulated T cell chemotactic protein 1; stimulated T-cell chemotactic protein 1; small inducible cytokine subfamily A (Cys-Cys), member 22; ABCD-1; SCYA22; STCP-1; DC/B-CK; A-152E5.1;

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Gene ID	6367
mRNA Refseq	NM_002990
Protein Refseq	NP_002981
MIM	602957
UniProt ID	O00626

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