

## Active Recombinant Human CCL22 Protein (69 aa)

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CCL22 Protein without tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	69
<b>Description</b>	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.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	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 $1 \times 10^4$ IU/mg.
<b>Molecular Mass</b>	8.1 kDa, a single, non-glycosylated polypeptide chain containing 69 amino acids.
<b>AA Sequence</b>	GPYGANMEDSVCCRDYVRYRLPLRVVKHFWTSDSCPRPGVLLTFRDKEICADP RVPWVKMILNKLSQ
<b>Endotoxin</b>	Less than 1 EU/mg of rHuMDC/CCL22 as determined by LAL method.

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<b>Purity</b>	>97% by SDS-PAGE and HPLC analyses.
<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized from a 0.2mm filtered concentrated solution in 20mM PB, pH7.4, 500mM NaCl.
<b>Reconstitution</b>	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

<b>Gene Name</b>	<b>CCL22 chemokine (C-C motif) ligand 22 [ Homo sapiens ]</b>
<b>Official Symbol</b>	<b>CCL22</b>
<b>Synonyms</b>	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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