

Recombinant Human CCL22 protein

Cat. No. CCL22-67H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCL22 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	69
Description	CCL22 is a protein that in humans is encoded by the CCL22 gene, which locates on the Chr. 16. The protein is highly expressed in macrophage, monocyte-derived dendritic cell and thymus, additionally, also detected in the tissues of thymus, lymph node and appendix. CCL22 can bind to CCR4, and is a chemoattractant for monocytes, monocyte-derived dendritic cells, and natural killer cells, but not for neutrophils, eosinophils, and resting T-lymphocytes. After secreted from monocyte-derived dendritic cells, the protein can be proteolytic cleaved into three forms: MDC (3-69), MDC (5-69), MDC (7-69).
Form	Lyophilized from a 0.2µm filtered concentrated solution in 20 mM PB, pH 7.4, 500 mM NaCl.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 10-100 ng/ml.
Molecular Mass	Approximately 8.1 kDa, a single, non-glycosylated polypeptide chain containing 69

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	amino acids.
AA Sequence	GPYGANMEDSVCCRDYVRYRLPLRVVKHFWTSDSCPRPGVVLLTFRDKEICADP RVPWVKMILNKLSQ
Endotoxin	Less than 1 EU/μg of rHuMDC/CCL22 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
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
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

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inducible cytokine subfamily A (Cys-Cys), member 22; ABCD-1; SCYA22; STCP-1; DC/B-CK; A-152E5.1;

Gene ID 6367

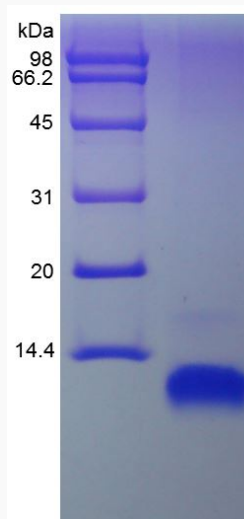
mRNA Refseq NM_002990

Protein Refseq NP_002981

MIM 602957

UniProt ID O00626

**SDS-PAGE of
CCL22-67H**



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