

Recombinant Mouse CCL20 protein

Cat. No. CCL20-50M Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Mouse CCL20 protein was expressed in Escherichia coli.

Species Mouse

Source E.coli

ProteinLength 70

Description CCL20, also named LARC (Liver and Activation-regulated Chemokine), is encoded by CCL20 located on chromosome 1 in mouse. The expression can be induced by LPS and some inflammatory cytokines, and it is at a high level in lymph nodes, PBL, fatal liver, fatal lung, appendix and so on. CCL20 has functions of chemotactic towards lymphocytes and dendritic cells. Additionally, it promotes the adhesion of memory CD4⁺ T cells and inhibits colony formation of bone marrow myeloid immature progenitors. CCL20 elicits its effects by binding with CCR6 receptor.

Form Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Bio-activity Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human CCR6 transfected murine BaF3 cells is in a concentration range of 0.1-10 ng/ml.

Molecular Mass Approximately 8.0 kDa, a single non-glycosylated polypeptide chain containing 70 amino acids.

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AA Sequence	ASNYDCCLSYIQTPLPSRAIVGFTRQMADEACDINAIIFHTKKRKSVCADPKQNWVKR AVNLLSLRVKKM
Endotoxin	Less than 1 EU/g of rMuMIP-3α/CCL20 as determined by LAL method.
Purity	>96% 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	CCL20
Official Symbol	CCL20
Synonyms	CCL20; chemokine (C-C motif) ligand 20; C-C motif chemokine 20; MIP-3-alpha; CC chemokine LARC; CC chemokine ST38; beta chemokine exodus-1; beta-chemokine exodus-1; small-inducible cytokine A20; small inducible cytokine subfamily A20; macrophage inflammatory protein 3 alpha; liver and activation-regulated chemokine; CKb4; LARC; ST38; MIP3A; MIP-3A; Scya20; MIP-3[a]; exodus-1;
Gene ID	20297

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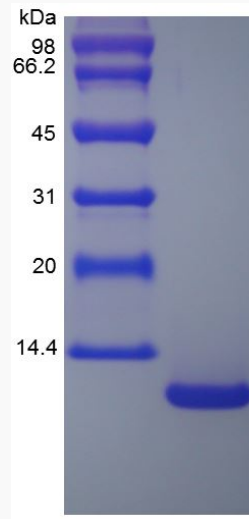
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mRNA Refseq [NM_001159738](#)

Protein Refseq [NP_001153210](#)

UniProt ID [O89093](#)

**SDS-PAGE of
CCL20-50M**



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