

CCL20 Protein, Human, Recombinant (CHO)

General Information

Synonyms:	MIP-3 α ;chemokine (C-C motif) ligand 20;C-C motif chemokine ligand 20;CCL-20;LARC; SCYA20;ST38;Exodus;MIP-3-alpha;CKb4;MIP3A
Protein Construction:	Ala27-Met96
Species:	Human
Expression Host:	CHO Cells
Accession:	P78556
Molecular Weight:	~8 kDa (Reducing conditions)

QC Testing

Biological Activity:	The EC 50 value of humanMIP-3 alpha/CCL20 on Ca ²⁺ mobilization assay in CHO-K1/Ga15/hCCR6 cells (human Ga15 and human CCR6 stably expressed in CHO-K1 cells) is less than 200.0 ng/ml.
Purity:	> 98% as determined by SDS-PAGE
Endotoxin:	< 0.2 EU/ μ g of protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 μ m filtered solution in PBS.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Macrophage Inflammatory Protein-3 (MIP-3 α), also known as chemokine (C-C motif) ligand 20 (CCL20) or liver activation regulated chemokine (LARC), is a small cytokine belonging to the CC chemokine family. MIP-3 α is expressed in the liver, lymph nodes, appendix, PBL and lung and can signal through the CCR6 receptor. It is strongly chemotactic for lymphocytes and weakly attracts neutrophils. MIP-3 α is implicated in the formation and function of mucosal lymphoid tissues via chemoattraction of lymphocytes and dendritic cells toward the epithelial

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cells surrounding these tissues. Additionally, it promotes the adhesion of memory CD4 + T cells and inhibits colony formation of bone marrow myeloid immature progenitors.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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