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MIP-3α/CCL20

Catalog # PVGS1404

Product Information

Primary Accession	P97884-1
Species	Rat
Sequence	Ala26-Met96
Purity	> 98% as analyzed by SDS-PAGE
Endotoxin Level	
Biological Activity	The EC_{50} value of rat MIP-3 α/CCL20 on Ca^{2+} mobilization assay in CHO-K1/G15/rCCR6 cells (human G15 and rat CCR6 stably expressed in CHO-K1 cells) is less than 0.6 □g/ml.
Expression System	HEK 293
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 □g/ml.
Storage & Stability	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.

Additional Information

Target Background	Macrophage Inflammatory Protein-3 (MIP-3α), 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-3α 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-3α is implicated in the formation and function of mucosal lymphoid tissues via chemoattraction of lymphocytes and dendritic cells toward the epithelial cells surrounding these tissues. Additionally, it promotes the adhesion of memory $CD4^+$ T cells and inhibits colony formation of bone marrow myeloid immature progenitors.

Protein Information