

MIP-3 α /CCL20, Human(CHO-expressed)

Cat. No.: Z03258-1

Size: 1.0 mg

Synonyms: MIP-3 alpha/CCL20, Human

Description:

Chemokine (C-C motif) ligand 20 (CCL20) also known as liver activation regulated chemokine (LARC) or Macrophage Inflammatory Protein-3 (MIP3 alpha) is a small cytokine belonging to the CC chemokine family. It is strongly chemotactic for lymphocytes and weakly attracts neutrophils. Additionally, it promotes the adhesion of memory CD4+ T cells and inhibits colony formation of bone marrow myeloid immature progenitors.

Recombinant humanMIP-3 alpha/CCL20 produced in CHO cells is a polypeptide chain containing 70 amino acids. A fully biologically active molecule, rhMIP-3 alpha/CCL20 has a molecular mass of 8kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.

Amino Acid Sequence:

00001 ASNFDCCCLGY TDRILHPKFI VGFTRQLANE GCDINAIIFH
00041 TKKKLSVCAN PKQTWVKYIV RLLSKKVKNM

Source: CHO

Species: Human

Biological Activity: The EC₅₀ value of humanMIP-3 alpha/CCL20 on Ca²⁺ mobilization assay in CHO-K1/Ga15/hCCR6 cells (human Ga15 and human CCR6 stably expressed in CHO-K1 cells) is less than 200 ng/ml.

Molecular Weight: 8 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH₂O or PBS at 100 μ g/ml.

Purity: > 98% as analyzed by SDS-PAGE.

Endotoxin Level: < 0.2 EU/ μ g, determined by LAL method.

Storage: Lyophilized recombinant Human MIP-3 alpha/CCL20 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human MIP-3 alpha/CCL20 should be stable up to 1 week at 4°C or up to 2 months at -20°C.