

## C-C motif chemokine 20 (CCL20), Human

**Cat.no.** PK0280

**Product size:** 5ug 25ug 1mg

**Source:** E. coli

**Species:** Human

**Biological Activity:** The EC50 value of humanMIP-3 alpha/CCL20 on Ca<sup>2+</sup> 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:** 8.0 kDa, observed by reducing SDS-PAGE.

**Formulation:** Lyophilized after extensive dialysis against 53mM Na<sub>2</sub>HPO<sub>4</sub>, 147 mM NaH<sub>2</sub>PO<sub>4</sub>, 300 mM NaCl, pH6.5.

**Reconstitution:** Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/ml.

**Purity:** > 95% by SDS-PAGE and HPLC analyses.

**Endotoxin Level:** < 0.2 EU/µg, determined by LAL method.

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

**Description:** Chemokine (C-C motif) ligand 20 (CCL20) or liver activation regulated chemokine (LARC) or Macrophage Inflammatory Protein-3 (MIP3A) is a small cytokine belonging to the CC chemokine family. It is strongly chemotactic for lymphocytes and weakly attracts neutrophils, also known as LARC (Liver and Activation-regulated Chemokine) and as Exodus. It can signal through the CCR6 receptor. MIP-3 alpha is chemotactic towards lymphocytes and dendritic cells. Additionally, it promotes the adhesion of memory CD4<sup>+</sup> T cells and inhibits colony formation of bone marrow myeloid immature progenitors. Recombinant Human MIP-3α/CCL20 produced in E.coli is a single non-glycosylated polypeptide chain containing 70 amino acids.

**Amino Acid Sequence:**

00001 ASNFDCCCLGY TDRILHPKFI VGFTRQLANE GCDINAIIFH

00041 TKKKLSVCAN PKQTWVKYIV RLLSKKVKNM

**Synonyms:** C-C motif chemokine 20, Beta-chemokine exodus-1, CC chemokine LARC, Liver and activation-regulated chemokine, Macrophage inflammatory protein 3 alpha, MIP3α, Small-inducible cytokine A20, CCL20, LARC, MIP3A, SCYA20

**Note:** For research use only, not for use in diagnostic procedure.