

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

**Cat.no.** PK0270

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

**Source:** CHO

**Species:** Human

**Biological Activity:** The EC<sub>50</sub> value of human 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 kDa, observed by reducing SDS-PAGE.

**Formulation:** Lyophilized after extensive dialysis against PBS.

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

**Purity:** > 98% by SDS-PAGE and HPLC analyses.

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

**Storage:** Lyophilized recombinant Human CCL20 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human 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) 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<sup>+</sup> T cells and inhibits colony formation of bone marrow myeloid immature progenitors. Recombinant human CCL20 produced in CHO cells is a 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.