

C-C motif chemokine 20 (CCL20), Rat

Cat.no. PK0277

Product size: 5ug 25ug 1mg

Source: HEK 293

Species: Rat

Biological Activity: The EC₅₀ value of rat MIP-3 α /CCL20 on Ca²⁺ mobilization assay in CHO-K1/ Ga15/rCCR6 cells (human Ga15 and rat CCR6 stably expressed in CHO-K1 cells) is less than 0.6 μ g/ml.

Molecular Weight: 8.2 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% by SDS-PAGE and HPLC analyses.

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

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

Description: 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. 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 cells surrounding these tissues. MIP-3 α is expressed in the liver, lymph nodes, appendix, PBL and lung and can signal through the CCR6 receptor. Recombinant rat MIP-3 α /CCL20 produced in HEK293 cells is a polypeptide chain containing 71 amino acids.

Amino Acid Sequence:

00001 ASNFDCCCLTY TKNVYHHARN FVGFTTQMAD EACDINAIIF

00041 HLKSKRSVCA DPKQIWVKRI LHLLSLRTRK M

Synonyms: C-C motif chemokine 20, Beta-chemokine exodus-1, CC chemokine LARC, Liver and activation-regulated chemokine, Macrophage inflammatory protein 3 alpha, MIP3 α , Small-inducible cytokine A20, CCL20, LARC, MIP3A, SCYA20

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