

**DATASHEET**

Version 20181206

**MIP-3 $\alpha$ /CCL20, Human****Cat. No.:** Z02842-20**Size:** 20.0 ug**Synonyms:** MIP-3 alpha/CCL20, Human;**Description:**

MIP-3 alpha/CCL20, also known as LARC (Liver and Activation-regulated Chemokine) and as Exodus, is a CC chemokine that is expressed in the liver, lymph nodes, appendix, PBL and lung and can signal through the CCR6 receptor. MIP-3 alpha is chemotactic towards lymphocytes and dendritic cells. Additionally, it promotes the adhesion of memory CD4+ T cells and inhibits colony formation of bone marrow myeloid immature progenitors.

**Amino Acid Sequence:**

00001 ASNFDCLGY TDRILHPKFI VGTRQLANE GCDINAIIFH  
00041 TKKKLSVCAN PKQTWVKYIV RLLSKKVKNM

**Source:** *E. coli***Species:** Human

**Biological Activity:** Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 10-50 ng/ml.

**Molecular Weight:** Approximately 8.0 kDa, a single non-glycosylated polypeptide chain containing 70 amino acids.

**Formulation:** Lyophilized from a 0.2  $\mu$ m filtered concentrated solution in 20 mM PB, pH 7.4, 100 mM NaCl.

**Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Reconstitution:** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at  $\leq -20$  °C. Further dilutions should be made in appropriate buffered solutions.

**Purity:** > 97 % by SDS-PAGE and HPLC analyses.

**Endotoxin Level:** Less than 1 EU/ $\mu$ g of rHuMIP-3 $\alpha$ /CCL20 as determined by LAL method.

**Storage:** This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze/thaw cycles.