

Overview

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.
Species	Human
Source	<i>E. coli</i>
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.
Sequence	ASNFDCCLGY TDRILHPKFI VGFTRQLANE GCDINAIIFH TKKKLSVCAN PKQTVVKYIV RLLSKKVKNM

Properties

Measured Molecular Weight	Approximately 8.0 kDa, a single non-glycosylated polypeptide chain containing 70 amino acids.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 100 mM NaCl.
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 d -20 °C. Further dilutions should be made in appropriate buffered solutions.
Endotoxin Level	Less than 1 EU/µg of rHuMIP-3±/CCL20 as determined by LAL method.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Usage	This material is for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.
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.

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