

Overview

Synonyms	CCL20, LARC, Exodus-1
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 ⁺ T cells and inhibits colony formation of bone marrow myeloid immature progenitors. Recombinant Human MIP-3\pm/CCL20 produced in E.coli is a single non-glycosylated polypeptide chain containing 70 amino acids. A fully biologically active molecule, rhMIP-3 \pm /CCL20 has a molecular mass of 8.0 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Accession No	P78556
Species	Human
Source	<i>E. coli</i>
Biological Activity	The EC ₅₀ value of human MIP-3 alpha/CCL20 on Ca ²⁺ mobilization assay in CHO-K1/G α 15/hCCR6 cells (human Ga15 and human CCR6 stably expressed in CHO-K1 cells) is less than 200 ng/ml.
Sequence	ASNFDCCLGY TDRILHPKFI VGFTRQLANE GCDINAIIFH TKKKLSVCAN PKQTWVKYIV RLLSKKVKNM

Properties

Measured Molecular Weight	8.0 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against 53mM Na ₂ HPO ₄ , 147 mM NaH ₂ PO ₄ , 300 mM NaCl, pH6.5.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μ g/ml.
Endotoxin Level	< 0.2 EU/ μ g, determined by LAL method.
Storage	Lyophilized recombinant Human MIP- 3\pm/CCL20 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, recombinant human MIP-3 \pm /CCL20 should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

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