

Overview

Synonyms	MIP-3 alpha/CCL20, Human
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+ T cells and inhibits colony formation of bone marrow myeloid immature progenitors. Recombinant humanMIP-3 alpha/CCL20 produced in CHO cells is a polypeptide chain containing 70 amino acids. A fully biologically active molecule, rhMIP-3 alpha/CCL20 has a molecular mass of 8kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Accession No	P78556
Species	Human
Source	CHO
Biological Activity	The EC ₅₀ value of humanMIP-3 alpha/CCL20 on Ca ²⁺ 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.
Sequence	ASNFDCCCLGY TDRILHPKFI VGFTRQLANE GCDINAIIFH TKKKLSVCAN PKQTWVKYIV RLLSKKVKNM

Properties

Measured Molecular Weight	8 kDa, observed by reducing SDS-PAGE.
Purity	> 98% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	< 0.2 EU/µg, determined by LAL method.
Storage	Lyophilized recombinant Human MIP-3 alpha/CCL20 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human MIP-3 alpha/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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