MIP-3alpha Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Macrophage Inflammatory Protein-3?, CCL20, LARC, Exodus-1

Cat. No.:	
RBG10227005	(5 µg)
RBG10227020	(20 µg)
RBG10227100	(100 µg)

Description

MIP-3alpha is a CC chemokine, expressed in the liver, lymph nodes, appendix, PBL and lungs that can signal through the CCR6 receptor. MIP-3alpha 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-3alpha is an 8.0 kDa protein containing 70 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

Research topic

Chemokines, Cytokines and chemokines and related molecules

Amino Acid Sequence

ASNFDCCLGY TDRILHPKFI VGFTRQLANE GCDINAIIFH TKKKLSVCAN PKQTWVKYIV RLLSKKVKNM

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to chemoattract human T cells using a concentration of 10.0-50.0 ng/ml.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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