

Recombinant Human MIP-3 alpha (CCL20)

Cat No:HR2R1745

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	CCL20
Gene ID	6364
Accession	P78556
Alternative Name	Beta-chemokine exodus-1, CC chemokine LARC, Liver and activation-regulated chemokine, MIP-3-alpha, Small-inducible cytokine A20, SCYA20, MIP3 Recombinant Human Macrophage Inflammatory Protein-3 Alpha (CCL20)
Species	Human
Source	E. coli
Description	Macrophage inflammatory protein (MIP)-3/CCL20, also known as liver and activation-regulated chemokine (LARC) or Exodus, is a member of the CC chemokine subfamily initially noted to be expressed in human liver, lung, appendix, and tonsillar crypts. MIP-3 is selectively chemotactic for CD34(+) bone marrow cell-derived immature DCs and CD45RO(+) memory T cells that express the cognate receptor CCR6. MIP-3 produced at sites of inflammation may chemoattract CCR6-expressing immature DCs to the subepithelial region of mucosal surfaces.
Functions	Determined by its ability to chemoattract human monocytes using a concentration range of 2-40 ng/mL.
Formulation	Recombinant CCL20 was lyophilized from a 0.2 ?m filtered 20 mM PB,100 mM NaCl solution pH 7.5.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	8
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.