

Recombinant Human CCL20/MIP-3 alpha Protein

Product Information

Product Name	Cat#	Size
	90965ES08	5 µg
Recombinant Human CCL20/MIP-3 alpha Protein	90965ES60	100 µg
	90965ES76	500 µg

Product Description

CCL20, also known as LARC (Liver and Activation-regulated Chemokine) or MIP3A(Macrophage Inflammatory Protein-3), is a small cytokine belonging to the CC chemokine family. CCL20 is Expressed predominantly in the liver, lymph nodes, appendix, peripheral blood lymphocytes, and fetal lung. The expression of CCL20 is strongly up-regulated by inflammatory signals and down-regulated by the anti-inflammatory cytokine IL-10. CCL20 has been shown to be chemotactic for lymphocytes. This chemokine may Inhibit proliferation of myeloid progenitors in colony formation assays and it may be involved in formation and function of the mucosal lymphoid tissues by attracting lymphocytes and dendritic cells towards epithelial cells. Chemokine CCL2 was shown to play a role in colorectal cancer (CRC) pathogenesis.

Product Properties

Synonyms	LARC, Beta-chemokine Exodus-1, Liver and Activation-regulated Chemokine
Accession	P78556
GeneID	6364
Source	E.coli-derived Human MIP-3 α /CCL20, Ala27-Met96.
Molecular Weight	Approximately 8.0 kDa.
AA Sequence	ASNFDCCCLGY TDRILHPKFI VGFTRQLANE GCDINAIIFH TKKKLSVCAN PKQTWVKYIV RLLSKKVKNM
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 97% by SDS-PAGE and HPLC analyses.
Biological Activity	The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 10-50 ng/mL. Fully biologically active when compared to standard.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 100 mM NaCl. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	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 ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20 °C for 1 year.

1 month, 2 to 8 °C under sterile conditions after reconstitution.

3 months, -20 °C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.