

Recombinant Human Macrophage Inflammatory Protein-3 alpha/CCL20

#R00392

Size: 5 µg/100 µg/500 µg

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

CCL20, also named LARC (Liver and Activation-regulated Chemokine), is encoded by CCL20 located on chromosome 2 in humans. The expression can be induced by LPS and some inflammatory cytokines, and it is at a high level in lymph nodes, PBL, fatal liver, fatal lung, appendix and so on. CCL20 has functions of 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. CCL20 elicits its effects by binding with CCR6 receptor.

AA Sequence

ASNFDCCGLGYTDRILHPKFIVGFTRQLANEGCDINAIIF
HTKKKLSVCANPKQTWVKYIVRLLSKKVKNM

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.

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.

Product Specification

Synonyms	LARC, Beta-chemokine Exodus-1, Liver and Activation-regulated Chemokine
Accession	P78556
GeneID	6364
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 8.0 kDa, a single non-glycosylated polypeptide chain containing 70 amino acids.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 10-50

	ng/ml.
Physical	Sterile Filtered White lyophilized
Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 100 mM NaCl.
Endotoxin	Less than 1 EU/µg of rHuMIP-3α/CCL20 as determined by LAL method.