

Recombinant Mouse Macrophage Inflammatory Protein-3 alpha / CCL20

Catalog No.	CRM412A CRM412B CRM412C	Quantity:	5 µg 20 µg 1 mg
Alternate Names:	CCL20, Exodus-1, LARC		
Description:	MIP-3C/CCL20, also known as LARC (Liver and Activation-regulated Chemokine) and as Exodus, is a CC chemokine that is expressed in the liver, lymph nodes, appendix, PBL and lung and can signal through the CCR6 receptor. MIP-3 alpha 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.		
Physical Appearance:	Sterile filtered white lyophilized (freeze-dried) powder.		
Gene ID:	6364		
Protein Accession No:	O89093		
Source:	<i>E. coli</i>		
Molecular Weight:	Approximately 8.0 kDa, a single non-glycosylated polypeptide chain containing 70 amino acids.		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.		
Purity:	>96% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	Less than 1EU/µg as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human CCR6 transfected mouse BaF3 cells is in a concentration range of 0.1-10 ng/ml.		
Amino Acid Sequence:	ASNYDCCLSY IQTPLPSRAI VGFTRQMADE ACDINAIIFH TKKRKSVCAD PKQNWVKRAV NLLSLRVKKM		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2-4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

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