

Recombinant Mouse CCL6/C10

Catalog No.	CRC500A CRC500B CRC500C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	MRP-1, Scya6, c10, CC chemokine C10, small inducible cytokine A6		
Description:	Chemokine (C-C motif) ligand 6 (CCL6) is a small cytokine belonging to the CC chemokine family that has only been identified in rodents. Mouse C10 is expressed in myelopoietic bone marrow cultures when stimulated with GM-CSF, M-CSF, IL-3 or IL-4. It signals primarily through the CCR1 receptor. C10 is chemotactic for B cells, CD4+ T cells, monocytes and NK cells and also exhibits powerful suppressive activity on colony formation by different lineages of hematopoietic progenitors. The C10 contains the four highly conserved cysteine residues present in CC chemokines.		
Gene ID:	20305		
Source:	<i>E. coli</i>		
Molecular Weight:	Approximately 10.7 kDa, a single non-glycosylated polypeptide chain containing 95 amino acids.		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris, pH 8.0 + 50 0mM NaCl.		
Purity:	> 97% as determined by SDS-PAGE and RP-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 CCR1 transfected mouse BaF3 cells is in a concentration range of 10-100 ng/ml.		
Amino Acid Sequence:	GLIQEIEKED RRYNPPPIHQ GFQDTSSDCC FSYATQIPCK RFIFYFPTSG GCIKPGIIFI SRRGTQVCAD PSDRRVQRCL STLKQGPRSG NKVIA		
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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