Monocyte Chemotactic Protein-3 Mouse Recombinant (CCL7)

Item Number	rAP-0201
Synonyms	Small inducible cytokine A7, CCL7, Monocyte chemotactic protein 3, MCP-3, Monocyte chemoattractant protein 3, NC28, chemokine (C-C motif) ligand 7, FIC, MARC, MCP3, SCYA6, SCYA7, MGC138463, MGC138465.
Description	Monocyte Chemotactic Protein-3 Mouse Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 74 amino acids and having a molecular mass of 8510 Dalton. The MCP-3 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q03366
Amino Acid Sequence	QPDGPNASTC CYVKKQKIPK RNLKSYRRIT SSRCPWEAVI FKTKKGMEVC AEAHQKWVEE AIAYLDMKTP TPKP.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized MCP-3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL7 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) sterile solution containing no additives. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Monocyte Chemotactic Protein-3 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The specific activity as determined by the ability of Mouse MCP-3 to chemoattract Balb/C mouse spleen MNCs at 10-100ng/ml corresponding to a Specific Activity of 10,000-100,000IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only