

Monocyte Chemotactic Protein-3 Rat Recombinant (CCL7)

Item Number	rAP-0195
Synonyms	C-C motif chemokine 7, Monocyte chemoattractant protein 3, Monocyte chemotactic protein 3, MCP-3, Small-inducible cytokine A7, Ccl7, Mcp3, Scya7.
Description	MCP-3 Rat Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 74 amino acids and having a molecular mass of 8.5kDa. The MCP-3 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9QXY8
Amino Acid Sequence	QPDGTNSSTC CYVKKQKIPK RNLKSYRKIT SSRCPWEAVI FKTKKGMEVC AEAHQKWVEE AIAYLDMKTS 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 MCP3 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	MCP-3 protein was lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, 300mM NaCl, pH 7.4. Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized MCP-3 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Determined by its ability to chemoattract human peripheral blood monocytes using a concentration range of 50.0-300.0 ng/ml.
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**