

32-1940: rMCP 3 Recombinant Protein

Alternative Name : C-C motif chemokine 7, Monocyte chemoattractant protein 3, Monocyte chemotactic protein 3, MCP-3, Small-inducible cytokine A7, Ccl7, Mcp3, Scya7.

Description

Source : Escherichia Coli. 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. Chemokine (C-C motif) ligand 7 (CCL7) is a small cytokine known as a chemokine that was previously called monocyte-specific chemokine 3 (MCP3). Due to CCL7 possessing two adjacent N-terminal cysteine residues in its mature protein, it is classified among the subfamily of chemokines known as CC chemokines. CCL7 specifically attracts monocytes, and regulates macrophage function. It is produced by certain tumor cell lines and by macrophages. This chemokine is located on chromosome 17 in humans, in a large cluster containing many other CC chemokines and is most closely related to CCL2 (previously called MCP1).

Product Info

Amount :	10 µg
Purification :	Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Content :	MCP-3 protein was lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, 300mM NaCl, pH 7.4.
Storage condition :	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.
Amino Acid :	QPDGTSSTC CYVKKQKIPK RNLKSYRKIT SSRCPWEAVI FKTKKGMEVC AEAHQKWVEE AIAYLDMKTS TPKP.

Application Note

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. Determined by its ability to chemoattract human peripheral blood monocytes using a concentration range of 50.0-300.0 ng/ml.