

## MCP 3 Rat

**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.

**Catalog #:** CHPS-287

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

For research use only.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Amino Acid Sequence:** QPDGTSSTC CYVKKQKIPK RNLKSYRKIT SSRCPWEAVI  
FKTKKGMEVC AEAHQKWVEE AIAYLDMKTS TPKP.

**Purity:** Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Formulation:**

MCP-3 protein was lyophilized from a 0.2

**Stability:**

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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized MCP-3 in sterile 18M-cm H<sub>2</sub>O not less than 100

**Introduction:**

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).

**Biological Activity:**

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

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