

Active Recombinant Mouse Chemokine (C-C motif) Ligand 7

Cat. No. Ccl7-287M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse MCP-3 is produced in E.Coli, and is a non-glycosylated, Polypeptide chain containing 74 amino acids and having a molecular mass of 8510 Dalton.
Species	Mouse
Source	E.coli
Description	Mouse MCP-3, also known as CCL7 and SCYA7 is produced in a variety of tumor cells and has been shown to induce chemotaxis in monocytes, basophils, NK cells and dendrocytes.
Form	Lyophilized with no additives.
Purity	Purity Greater than 98% as determined by: Analysis by RP-HPLC. Reducing and non-reducing SDS-PAGE.
Bio-activity	Mouse MCP-3 is fully biologically active when compared to standard. The specific activity as determined by the ability of Mouse MCP-3 to chemoattract Balb/C mouse spleen MNCs at 10-100ng/ml.
Physical Appearance	Sterile Filtered white lyophilized (freeze-dried) powder.
Solubility	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg μ s/ml, which can be further diluted into other aqueous solutions.

Purity Greater than 98% as determined by

Analysis by RP-HPLC. Reducing and non-reducing SDS-PAGE.

Protein Content determined by

UV spectroscopy at 280 nm. Analysis by RP-HPLC calibrated against a known standard. Quantitation on SDS-PAGE against a known standard.

Amino acid sequence

QPDGPNASTC CYVKKQKIPK RNLKSYRRIT SSRCPWEAVI FKTKKGMEEV
AEAHQKWVEE AIAYLDMKTP TPKP

Storage

Lyophilized product is very stable at -20 degrees. Reconstituted material should be aliquoted and frozen at -20. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

Pathways

Chemokine signaling pathway; Cytokine-cytokine receptor interaction

GENE INFORMATION

Gene Name

Ccl7 chemokine (C-C motif) ligand 7 [*Mus musculus*]

Official Symbol


Ccl7

Synonyms

Ccl7; chemokine (C-C motif) ligand 7; fic; marc; mcp3; MCP-3; Scya7; C-C motif chemokine 7; OTTMUSP00000000787; RANTES/sis homolog; intercrine/chemokine MARC; small inducible cytokine A7; small-inducible cytokine A7; monocyte chemotactic protein 3; monocyte chemoattractant protein 3; MCP3; Monocyte chemoattractant protein 3; NC28; SCYA6; SCYA7; MGC138463; FIC; MGC138465;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MARC; small inducible cytokine A7 (monocyte chemotactic protein 3)

Gene ID [20306](#)

mRNA Refseq [NM_013654](#)

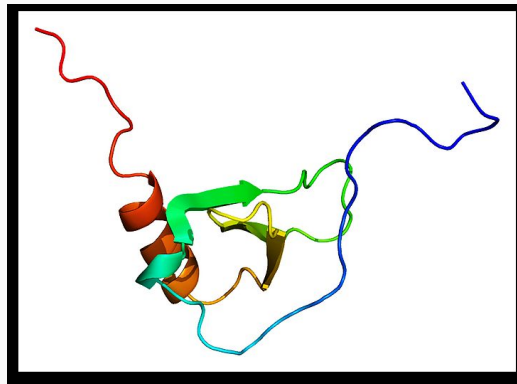
Protein Refseq [NP_038682](#)

UniProt ID [Q03366](#)

Chromosome Location 11 C; 11 46.5 cM

Function CCR2 chemokine receptor binding; chemokine activity; cytokine activity; heparin binding

PDB rendering based on 1bo0.



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA