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

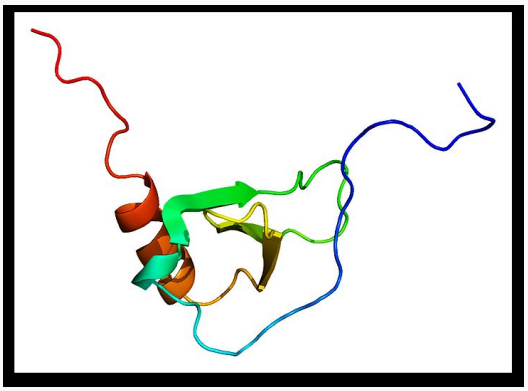
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	recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mgμs/ml, which can be further diluted into other aqueous solutions.
Purity Greater than 98% as determined by	Analysis by RP-HPLC. Reducing and non-reducing 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 FKTKKGMEVC 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;

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	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 basedon 1bo0.	

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