Recombinant Mouse Ccl7 protein

Cat. No. Ccl7-618M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ccl7 protein was expressed in Escherichia coli.
Species	Mouse
Source	E.coli
ProteinLength	74
Description	Murine CCL7, also known as MARC, is belonging to the CC chemokine family. It is encoded by the gene CCL7 and was isolated from a mouse mast cell line after Fc epsilon RI triggering by IgE plus antigen. Sequence comparisons suggest that MARC may be the mouse homologue of the human MCP-3 gene. Similar to the human system, MARC/FIC is postulated the murine MCP-3. The MCP-3 protein family signals through CCR2 expect MCP-1 and possess cross-reacts across species. CCL7/MCP3 has chemotactic function for monocytes and eosinophils, but not for neutrophils.
Form	Lyophilized from a 0.2μm filtered concentrated solution in 2× PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human monocytes is in a concentration range of 100-300 ng/ml.
Molecular Mass	Approximately 8.5 kDa, a single, non-glycosylated polypeptide chain containing 74 amino acids.

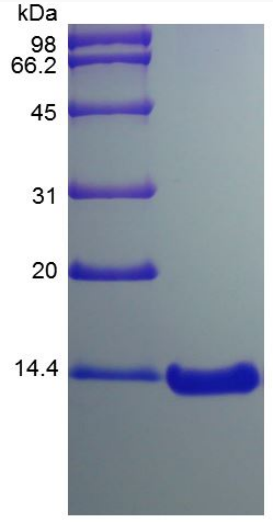
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	QPDGPNASTCCYVKKQKIPKRNLKSYRRITSSRCPWEAVIFKTKKGMEVCAEAHQK WVEEAIAYLDMKTPTPKP
Endotoxin	Less than 1 EU/μg of rMuMCP-3/CCL7 as determined by LAL method.
Purity	>95% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	Ccl7
Official Symbol	Ccl7
Synonyms	CCL7; chemokine (C-C motif) ligand 7; C-C motif chemokine 7; RANTES/sis homolog; intercrine/chemokine MARC; small inducible cytokine A7; small-inducible cytokine A7; monocyte chemotactic protein 3; monocyte chemoattractant protein 3; fic; marc; mcp3; MCP-3; Scya7;
Gene ID	20306

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mRNA Refseq	NM_013654
Protein Refseq	NP_038682
UniProt ID	Q03366
SDS-PAGE of Ccl7-618M	

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