

Active Recombinant Mouse Ccl7 Protein (74 aa)

Cat. No. Ccl7-225C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse MCP-3/MARC/CCL7 produced in CHO cells is a polypeptide chain containing 74 amino acids. A fully biologically active molecule, rmMCP 3/CCL7 has a molecular mass of 8-12 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Species	Mouse
Source	CHO
ProteinLength	74
Description	Chemokine (C-C motif) ligand 7 (CCL7) is a small cytokine that was previously called monocyte-specific chemokine 3 (MCP-3). Due to CCL7 possessing two adjacent N-terminal cysteine residues in its mature form, it is classified within 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, within a large cluster containing many other CC chemokines and is most closely related to CCL2. CCL7 can signal through the CCR1, CCR2 and CCR3 receptors.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	The EC ₅₀ value of mouse MCP3 MARC/CCL7 on Ca ²⁺ mobilization assay in CHO-K1/Gα15/mCCR2 cells (human Gα15 and mouse CCR2 stably expressed in CHO-K1 cells) is less than 1

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	µg/mL.
Molecular Mass	8~12 kDa, observed by reducing SDS-PAGE.
AA Sequence	QPDGPNASTCCYVKKQKIPKRNLSYRRITSSRCPWEAVIFKTKKGMEVCAEAHQK WVEEAIAYLDMKTPTPKP
Endotoxin	< 0.2 EU/µg, determined by LAL method.
Purity	> 98% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant Mouse MCP-3/MARC/CCL7 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Mouse MCP-3/MARC/CCL7 should be stable up to 1 week at 4 centigrade or up to 3 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/mL.

GENE INFORMATION

Gene Name	Ccl7 chemokine (C-C motif) ligand 7 [<i>Mus musculus</i>]
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;

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Gene ID	20306
mRNA Refseq	NM_013654
Protein Refseq	NP_038682
UniProt ID	Q03366

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