Active Recombinant Human CCL7 Protein (76 aa)

Cat. No. CCL7-226C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MCP-3/CCL7 produced in CHO cells is a polypeptide chain containing 76 amino acids. A fully biologically active molecule, rhMCP-3/CCL7 has a molecular mass of 10-18 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Species	Human
Source	CHO
ProteinLength	76
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 EC50 value of human MCP-3/CCL7 on Ca^2+ mobilization assay in CHO-K1/Gα15/hCCR1 cells (human Gα15 and human CCR1 stably expressed in CHO-K1 cells) is less than 1.5

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	μg/mL.
Molecular Mass	10-18 kDa, observed by reducing SDS-PAGE.
AA Sequence	QPVGINTSTTCCYRFINKKIPKQRLESYRRTTSSHCPREAVIFKTKLDKEICADPTQK WVQDFMKHLDKKTQTPKL
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 98% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant human MCP-3/CCL7 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, human MCP-3/CCL7 should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH2O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	CCL7 chemokine (C-C motif) ligand 7 [Homo sapiens]
Official Symbol	CCL7
Synonyms	CCL7; chemokine (C-C motif) ligand 7; SCYA6, SCYA7, small inducible cytokine A7 (monocyte chemotactic protein 3); C-C motif chemokine 7; FIC; MARC; MCP 3; MCP3; monocyte chemoattractant protein 3; monocyte chemotactic protein 3; NC28; small-inducible cytokine A7; small inducible cytokine A7 (monocyte chemotactic protein 3); MCP-3; SCYA6; SCYA7; MGC138463; MGC138465;

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Gene ID	6354
mRNA Refseq	NM_006273
Protein Refseq	NP_006264
MIM	158106
UniProt ID	P80098

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