

Recombinant Human CCL7

Cat. No. CCL7-29150TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length MCP3 protein is a non-glycosylated, polypeptide chain containing 76 amino acids and has a MW of 9 kDa.
Species	Human
Source	E.coli
Description	This gene encodes monocyte chemotactic protein 3, a secreted chemokine which attracts macrophages during inflammation and metastasis. It is a member of the C-C subfamily of chemokines which are characterized by having two adjacent cysteine residues. The protein is an in vivo substrate of matrix metalloproteinase 2, an enzyme which degrades components of the extracellular matrix. This gene is part of a cluster of C-C chemokine family members on chromosome 17q.
Biological activity	Biological Activity: The specific activity as determined by the ability of MCP3 to chemoattract human peripheral blood at 10-100ng/ml.
Form	Lyophilised: Lyophilized from a concentrated (1mg/ml) sterile solution containing no additives. Reconstitute the lyophilized product in sterile 18MOhm-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Purity	>95% by SDS-PAGE
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids	The sequence of the first five N-terminal amino acids was determined and was found to be Gln-Pro-Val-Gly-Ile.
Sequence Similarities	Belongs to the intercrine beta (chemokine CC) family.
Full Length	Full L.
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;
Gene ID	6354
mRNA Refseq	NM_006273
Protein Refseq	NP_006264
MIM	158106
Uniprot ID	P80098
Chromosome Location	17q11.2-q12
Pathway	Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine

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signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem;

Function

CCR2 chemokine receptor binding; chemokine activity; heparin binding;

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