

## Active Recombinant Human CCL7, biotinylated

Cat. No. CCL7-132H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CCL7 is produced in E. coli, biotinylated
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	CCL7, also known as Monocyte Chemotactic Protein-3 (MCP-3), is a secreted chemokine that attracts macrophages, monocytes, and eosinophils during inflammation and metastasis. It is a member of the C-C subfamily of chemokines which are characterized by having two adjacent cysteine residues. In vivo, this protein is a substrate of matrix metalloproteinase 2 (MMP2), an enzyme that degrades components of the extracellular matrix. The gene that encodes CCL7 is part of a cluster of C-C chemokine family members on chromosome 17q. CCL7 binds to CCR1, CCR2, and CCR3 receptors and appears to be an antagonist for the CCR5 receptor.
<b>Form</b>	Lyophilized.
<b>Bio-activity</b>	EC50 = 1.4-2.6nM determined by migration of recombinant CCR2-expressing cells.
<b>Molecular Mass</b>	11.2kDa by Mass Spec
<b>AA Sequence</b>	QPVGINTSTTCCYRFINKKIPKQRLESYRRTTSSHCPREAVIFKTKLDKEICADPTQK WVQDFMKHLDKKTQTPK LKLGSGLNIDIFEAQKIEWHE

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<b>Endotoxin</b>	<0.01 EU per 1ug of protein by LAL method.
<b>Purity</b>	>97% by SDS-PAGE
<b>Storage</b>	12 months from date of receipt, -20°C to -70°C, as supplied. 1 month, 2°C to 8°C, under sterile conditions after reconstitution. 3 months, -20°C to -70°C, under sterile conditions after reconstitution.
<b>Reconstitution</b>	Recommended at 100ug/ml in sterile distilled water.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CCL7 chemokine (C-C motif) ligand 7 [ Homo sapiens ]</a>
<b>Official Symbol</b>	CCL7
<b>Synonyms</b>	CCL7; chemokine (C-C motif) ligand 7; FIC; MARC; MCP3; NC28; MCP-3; SCYA6; SCYA7; MGC138463; MGC138465; monocyte chemotactic protein 3; monocyte chemoattractant protein 3; small inducible cytokine A7
<b>Gene ID</b>	<a href="#">6354</a>
<b>mRNA Refseq</b>	<a href="#">NM_006273</a>
<b>Protein Refseq</b>	<a href="#">NP_006264</a>
<b>MIM</b>	<a href="#">158106</a>
<b>UniProt ID</b>	P80098

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<b>Chromosome Location</b>	17q11.2-q12
<b>Pathway</b>	Chemokine signaling pathway; Cytokine-cytokine receptor interaction
<b>Function</b>	chemokine activity; heparin binding

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