

# Active Recombinant Human Chemokine (C-C Motif) Ligand 7, HIgG1 Fc-tagged

Cat. No. CCL7-385H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	The extracellular domain of human CCL7 (AAI12259.1)(Gln24-Leu99) is fused to the N-terminus of the Fc region of human IgG1 was expressed in CHO cell
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	24-99 a.a.
<b>Description</b>	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
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to chemoattract 2-day cultured human monocytes.
<b>Molecular Mass</b>	35KDa (monomer)
<b>AA Sequence</b>	Gln24-Leu99

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<b>Endotoxin</b>	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">
<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.
<b>Stability</b>	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
<b>Reconstitution</b>	Reconstitute at 100μg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.

## 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; 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;
<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>

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<b>UniProt ID</b>	P80098
<b>Chromosome Location</b>	17q11.2-q12
<b>Pathway</b>	Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine 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; Cytokine-cytokine receptor interaction, conserved biosystem; GPCR ligand binding, organism-specific biosystem;
<b>Function</b>	CCR1 chemokine receptor binding; chemokine activity; heparin binding;

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