

Recombinant Human CCL7 protein

Cat. No. CCL7-194H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCL7 was expressed in E. coli.
Species	Human
Source	E.coli
Description	Essentially a chemo-attractant, CCL7 signals through CCR receptors 1, 2 and 3. CCL7 can attract and activate monocytes, natural killer cells, T cells, and immature dendritic cells. CCL7 has also been shown to attract eosinophiles and induce histamine secretion from basophils.
Form	Lyophilized from a 0.2 µm filtered solution of PBS
Molecular Mass	9.2 kDa
Endotoxin	<1.0 EU/µg of recombinant protein as determined by the LAL method.
Purity	95%
Applications	Cell Assay
Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 centigrade. Upon reconstitution, this cytokine can be stored in working aliquots at 2 centigrade- 8 centigrade for one month, or at -20 centigrade for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

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Reconstitution Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin

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;

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

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biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem;
Cytokine-cytokine receptor interaction, conserved biosystem; GPCR ligand binding,
organism-specific biosystem;

Function

CCR1 chemokine receptor binding; chemokine activity; heparin binding;

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