

## Recombinant Human CCL7

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length MCP3 protein is a non-glycosylated, polypeptide chain containing 76 amino acids and has a MW of 9 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<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>Biological activity</b>	Biological Activity: The specific activity as determined by the ability of MCP3 to chemoattract human peripheral blood at 10-100ng/ml.
<b>Form</b>	Lyophilised: Lyophilized from a concentrated (1mg/ml) sterile solution containing no additives. Reconstitute the lyophilized product in sterile 18MOhm-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Sequences of amino acids</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Gln-Pro-Val-Gly-Ile.
<b>Sequence Similarities</b>	Belongs to the intercrine beta (chemokine CC) family.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CCL7 chemokine (C-C motif) ligand 7 [ Homo sapiens ]
<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;
<b>Gene ID</b>	6354
<b>mRNA Refseq</b>	NM_006273
<b>Protein Refseq</b>	NP_006264
<b>MIM</b>	158106
<b>Uniprot ID</b>	P80098
<b>Chromosome Location</b>	17q11.2-q12
<b>Pathway</b>	Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA