

## Active Recombinant Mouse Chemokine (C-C Motif) Ligand 8

Cat. No. Ccl8-285M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse MCP-2, also known as CCL8, produced in E.coli is a non-glycosylated, polypeptide chain containing 74 amino acids and having a molecular mass of 8,504 Daltons.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	Chemokine (C-C motif) ligand 8, also known as monocyte chemoattractant protein 2 (MCP-2), is a protein that in humans is encoded by the CCL8 gene. CCL8 is a small cytokine belonging to the CC chemokine family. The CCL8 protein is produced as a precursor containing 109 amino acids, which is cleaved to produce mature CCL8 containing 75 amino acids.
<b>Form</b>	Lyophilized with no additives.
<b>Purity</b>	Purity Greater than 98% as determined by: Analysis by RP-HPLC. Reducing and non-reducing SDS-PAGE.
<b>Bio-activity</b>	MCP-2 is fully biologically active when compared to standard. The specific activity as determined by the ability of MCP-2 to chemoattract human peripheral blood at 10-100ng/ml.
<b>Physical Appearance</b>	Sterile Filtered white lyophilized (freeze-dried) powder.

 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>Solubility</b>	It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.
<b>Purity Greater than 98% as determined by</b>	Analysis by RP-HPLC. Reducing and non-reducing SDS-PAGE.
<b>Protein Content determined by</b>	UV spectroscopy at 280 nm. Analysis by RP-HPLC calibrated against a known standard. Quantitation on SDS-PAGE against a known standard.
<b>Amino acid sequence</b>	GPDKAPVTCC FHVLKLIPL RVLKSYERIN NIQCPMEAVVQTKQGMSLC VDPTQKWVSE YMEILDQKSQ ILQP
<b>Storage</b>	Lyophilized product is very stable at -20 degrees. Reconstituted material should be aliquoted and frozen at -20. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Ccl8 chemokine (C-C motif) ligand 8 [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">Ccl8</a>
<b>Synonyms</b>	Ccl8; chemokine (C-C motif) ligand 8; HC14; Mcp2; MCP-2; Scya8; AB023418; OTTMUSP00000000873; small inducible cytokine A8; monocyte chemoattractant protein-2; 1810063B20Rik
<b>Gene ID</b>	<a href="#">20307</a>
<b>mRNA Refseq</b>	<a href="#">NM_021443</a>

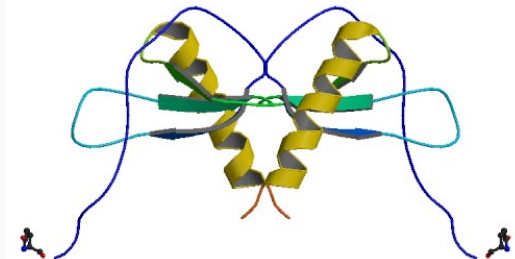
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<b>Protein Refseq</b>	NP_067418
<b>UniProt ID</b>	Q9Z121
<b>Chromosome Location</b>	47.0 cM
<b>Pathway</b>	1810063B20Rik; Chemokine signaling pathway; Cytokine-cytokine receptor interaction
<b>Function</b>	chemokine activity; cytokine activity; heparin binding

PDB rendering based on 1esr.



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