

## Active Recombinant Human CCL2 Protein

Cat. No. CCL2-14H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CCL2 Protein without tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Monocyte chemotactic protein 1 (MCP-1), also known as CCL2, is produced by injured or infected tissues. MCP-1 signals through the CCR2 and CCR4 G protein-coupled receptors to recruit memory T cells, monocytes, and dendritic cells to sites of inflammation.
<b>Bio-activity</b>	THP-1 chemotaxis, $\leq 100$ ng/mL
<b>Molecular Mass</b>	Monomer, 8.7 kDa (76 aa)
<b>AA Sequence</b>	QPDAINAPVTCCYNFTNRKISVQRLASYRRITSSKCPKEAVIFKTIVAKEICADPKQKW VQDSMDHLDKQTQTPKT
<b>Endotoxin</b>	$\leq 1$ EUs/ $\mu$ g, Kinetic LAL
<b>Purity</b>	$\geq 95\%$ , Reducing and Non-Reducing SDS PAGE
<b>Stability</b>	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.

 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>Storage</b>	Storage Prior to Reconstitution: -20 centigrade
<b>Storage Buffer</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
<b>Reconstitution</b>	Sterile water at 0.1 mg/mL
<b>Shipping</b>	Room temperature
<b>Instructions</b>	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

## GENE INFORMATION

<b>Gene Name</b>	<b>CCL2 chemokine (C-C motif) ligand 2 [ Homo sapiens (human) ]</b>
<b>Official Symbol</b>	<b>CCL2</b>
<b>Synonyms</b>	CCL2; chemokine (C-C motif) ligand 2; SCYA2, small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig je); C-C motif chemokine 2; GDCF 2; HC11; MCAF; MCP 1; MCP1; MGC9434; monocyte chemoattractant protein 1; monocyte chemotactic and activating factor; monocyte chemotactic protein 1; homologous to mouse Sig je; monocyte secretory protein JE; small inducible cytokine subfamily A (Cys Cys); member 2; SMC CF; small-inducible cytokine A2; monocyte chemoattractant protein-1; small inducible cytokine subfamily A (Cys-Cys), member 2; small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig-je); MCP-1; SCYA2; GDCF-2; SMC-CF; HSMCR30;
<b>Gene ID</b>	<b>6347</b>

 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>mRNA Refseq</b>	NM_002982
<b>Protein Refseq</b>	NP_002973
<b>MIM</b>	158105
<b>UniProt ID</b>	P13500

 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