

## Recombinant Swine Chemokine (C-C motif) Ligand 2

Cat. No. CCL2-144S Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Swine CCL2 protein was expressed in Yeast and purified by using Ion-exchange chromatography, 8.6 kDa (76 aa).
<b>Species</b>	Pig
<b>Source</b>	Yeast
<b>Description</b>	Chemokine (C-C motif) ligand 2 (CCL2) is a small cytokine belonging to the CC chemokine family that is also known as monocyte chemoattractant protein-1 (MCP-1). CCL2 recruits monocytes, memory T cells, and dendritic cells to sites of tissue injury and infection. This chemokine is produced as a protein precursor containing signal peptide of 23 amino acids and a mature peptide of 76 amino acids.
<b>Sequences Of Amino Acids</b>	QPDAINSPVT CCYTLTSSKI SMQRLMSYRR VTSSKCPKEA VIFKTIAGKE ICAEPKQKWV QDSISHLDDK NQTPKP.
<b>Formulation/Reconstitution</b>	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
<b>Purity</b>	>95% as visualized by SDS-PAGE analysis.
<b>Purification</b>	Ion-exchange chromatography.
<b>Biological Activity</b>	The biological activity of recombinant swine CCL2 was determined in a

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	chemotaxis assay using a Boyden chamber with freshly isolated swine PBMCs using a Percoll gradient method. Bioactivity is typically detected at 30 ng/mL steadily, increasing through 1 ug/mL.
<b>Storage</b>	Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.
<b>Pathways</b>	Chemokine signaling pathway; Cytokine-cytokine receptor interaction; NOD-like receptor signaling pathway

## GENE INFORMATION

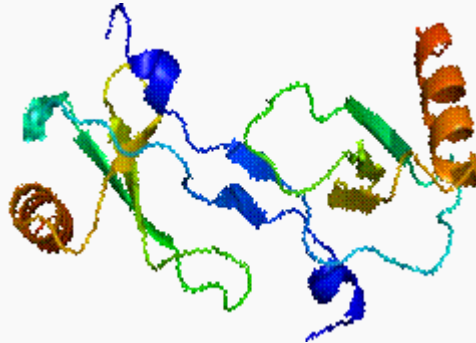
<b>Gene Name</b>	CCL2 chemokine (C-C motif) ligand 2 [ <i>Sus scrofa</i> ]
<b>Synonyms</b>	CCL2; chemokine (C-C motif) ligand 2; MCP-1;C-C motif chemokine 2; small-inducible cytokine A2; monocyte chemotactic protein 1;monocyte chemoattractant protein 1
<b>Gene ID</b>	397422
<b>mRNA Refseq</b>	NM_214214
<b>Protein Refseq</b>	NP_999379
<b>UniProt ID</b>	P42831

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