

Recombinant Bovine Chemokine (C-C motif) Ligand 2

Cat. No. CCL2-131B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine CCL2 protein was expressed in Yeast and purified by using Ion-exchange chromatography, 8.8 kDa (76 aa).
Species	Bovine
Source	Yeast
Description	Chemokine (C-C motif) ligand 2 (CCL2) is a small cytokine belonging to the CC chemokine family that is also known as monocyte chemotactic 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.
Sequences Of Amino Acids	QPDAINSQVA CCYTFNSKKI SMQRLMNYRR VTSSKCPKEA VIFKTILGKE LCADPKQKWV QDSINYLNKK NQTPKP.
Formulation/ Reconstitution	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
Purity	>95% as visualized by SDS-PAGE analysis.
Purification	Ion-exchange chromatography.
Biological activity	In testing.

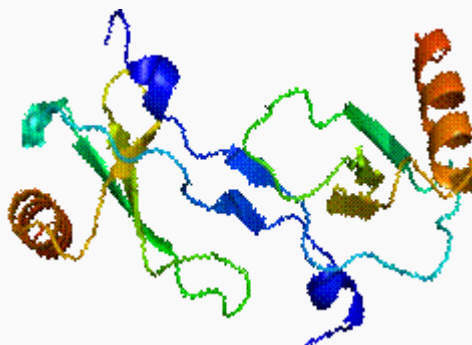
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Storage	Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.
Pathways	Chemokine signaling pathway; Cytokine-cytokine receptor interaction; NOD-like receptor signaling pathway
GENE INFORMATION	
Gene Name	CCL2 chemokine (C-C motif) ligand 2 [Bos taurus]
Synonyms	CCL2; chemokine (C-C motif) ligand 2; SCYA2; C-C motif chemokine 2; MCP-1; MCP-1A; small-inducible cytokine A2; acidic seminal fluid protein; monocyte chemotactic protein 1A; monocyte chemoattractant protein 1; small inducible cytokine A2 (monocyte chemotactic protein 1)
Gene ID	281043
mRNA Refseq	NM_174006
Protein Refseq	NP_776431
UniProt ID	P28291
Chromosome Location	19
Function	G-protein-coupled receptor binding; chemokine activity; protein binding

PDB rendering based
on 1dok, Available
structures: 1dok,
1dol, 1dom, 1don,
1ml0, 2bdn.



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