

Recombinant Bovine Chemokine (C-C motif) Ligand 2

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

SPECIFICATION

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|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 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. |
| 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

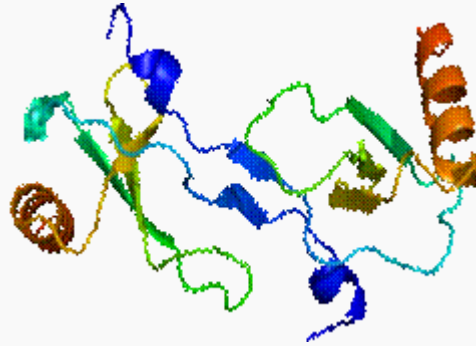
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