

## Recombinant Cattle CCL2 Protein, His-tagged

**Cat. No.** CCL2-1102C    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Cattle CCL2 Protein (Gln24-Pro99) with His tag was expressed in E. coli.
<b>Species</b>	Cattle
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gln24-Pro99
<b>Description</b>	<p>Enables chemokine activity and heparin binding activity. Involved in several processes, including cellular response to cytokine stimulus; cellular response to lipid; and leukocyte migration. Located in several cellular components, including perikaryon; perinuclear region of cytoplasm; and rough endoplasmic reticulum. Colocalizes with C-fiber. Used to study several diseases, including artery disease (multiple); diabetic angiopathy; interstitial lung disease (multiple); kidney disease (multiple); and pancreatitis (multiple). Biomarker of several diseases, including artery disease (multiple); cerebrovascular disease (multiple); lung disease (multiple); non-alcoholic fatty liver disease (multiple); and pancreatitis (multiple). Human ortholog(s) of this gene implicated in several diseases, including Henoch-Schoenlein purpura; aggressive periodontitis; autoimmune disease (multiple); gastrointestinal system cancer (multiple); and tuberculosis (multiple). Orthologous to human CCL2 (C-C motif chemokine ligand 2).</p>
<b>Form</b>	Freeze-dried powder

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<b>Molecular Mass</b>	Accurate Molecular Mass: 15 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	CCL2 chemokine (C-C motif) ligand 2 [ <i>Bos taurus</i> (cattle) ]
<b>Official Symbol</b>	CCL2
<b>Synonyms</b>	CCL2; chemokine (C-C motif) ligand 2; MCP1; MCP-1; SCYA2; C-C motif chemokine 2; monocyte chemoattractant protein 1; monocyte chemotactic protein 1; small-inducible cytokine A2
<b>Gene ID</b>	281043
<b>mRNA Refseq</b>	NM_174006

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**Protein Refseq** NP\_776431

**UniProt ID** P28291

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