Recombinant Cattle CCL2 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Cattle CCL2 Protein (Gln24-Pro99) with His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Gln24-Pro99
Description	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).
Form	Freeze-dried powder

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Molecular Mass	Accurate Molecular Mass: 15 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CCL2 chemokine (C-C motif) ligand 2 [Bos taurus (cattle)]
Official Symbol	CCL2
Synonyms	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
Gene ID	281043
mRNA Refseq	NM_174006

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Protein Refseq	NP_776431
UniProt ID	P28291

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