

Recombinant Cattle CCL5 Protein, His-tagged

Cat. No. CCL5-1206C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle CCL5 Protein (Ser24-Ser91) with His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Ser24-Ser91
Description	This gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, functions as a chemoattractant for blood monocytes, memory T helper cells and eosinophils. It causes the release of histamine from basophils and activates eosinophils. This cytokine is one of the major HIV-suppressive factors produced by CD8+ cells. It functions as one of the natural ligands for the chemokine receptor chemokine (C-C motif) receptor 5 (CCR5), and it suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor. Alternative splicing results in multiple transcript variants that encode different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 9.4 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95%
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	CCL5 C-C motif chemokine ligand 5 [Bos taurus (cattle)]
Official Symbol	CCL5
Synonyms	CCL5; C-C motif chemokine ligand 5; RANTES; C-C motif chemokine 5; SIS-delta; T-cell-specific protein RANTES; chemokine (C-C motif) ligand 5; small-inducible cytokine A5
Gene ID	327712
mRNA Refseq	NM_175827
Protein Refseq	NP_787021

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UniProt ID

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