

Recombinant Cattle PF4 Protein, His-tagged

Cat. No. PF4-1180C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle PF4 Protein (Leu31-Ser88) with His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Leu31-Ser88
Description	This gene encodes a member of the CXC chemokine family. This chemokine is released from the alpha granules of activated platelets in the form of a homotetramer which has high affinity for heparin and is involved in platelet aggregation. This protein is chemotactic for numerous other cell type and also functions as an inhibitor of hematopoiesis, angiogenesis and T-cell function. The protein also exhibits antimicrobial activity against Plasmodium falciparum.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.2 kDa; 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

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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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

PF4 platelet factor 4 [*Bos taurus* (cattle)]

Official Symbol

PF4

Synonyms

PF4; platelet factor 4; platelet factor 4; C-X-C motif chemokine 4; PF-4; platelet factor 4 (chemokine (C-X-C motif) ligand 4)

Gene ID

507790

mRNA Refseq

NM_001101062

Protein Refseq

NP_001094532

UniProt ID

A6QPP9

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