Recombinant Cattle IL4 Protein, His-tagged

Cat. No. IL4-2317C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle IL4 Protein (Lys26-Cys135) with a N-His tag was expressed in 293F.
Species	Cattle
Source	HEK293
ProteinLength	Lys26-Cys135
Description	Participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes. Positively regulates IL31RA expression in macrophages. Stimulates autophagy in dendritic cells by interfering with mTORC1 signaling and through the induction of RUFY4.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.7 kDa Accurate Molecular Mass: 18 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 90%

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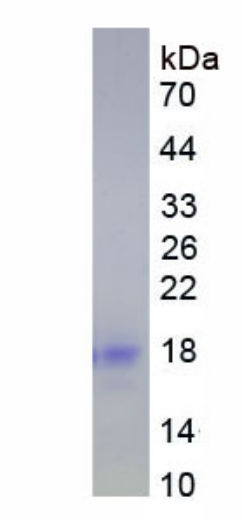
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. 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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	IL4 interleukin 4 [Bos taurus (cattle)]
Official Symbol	IL4
Synonyms	IL4; interleukin 4; IL-4; BSF-1; interleukin-4 B-cell stimulatory factor 1 lymphocyte stimulatory factor 1
Gene ID	280824
mRNA Refseq	NM_173921
Protein Refseq	NP_776346

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UniProt ID	P30367



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