

Recombinant Cattle LIF Protein, His-tagged

Cat. No. LIF-2753C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle LIF Protein (Ser23-Ala196) with N-His tag was expressed in 293F.
Species	Cattle
Source	HEK293
ProteinLength	Ser23-Ala196
Description	The protein encoded by this gene is a pleiotropic cytokine with roles in several different systems. It is involved in the induction of hematopoietic differentiation in normal and myeloid leukemia cells, induction of neuronal cell differentiation, regulator of mesenchymal to epithelial conversion during kidney development, and may also have a role in immune tolerance at the maternal-fetal interface. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.8 kDa Accurate Molecular Mass: 40 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	LIF LIF interleukin 6 family cytokine [Bos taurus (cattle)]
Official Symbol	LIF
Synonyms	LIF; LIF interleukin 6 family cytokine; leukemia inhibitory factor; bLIF; cholinergic differentiation factor; leukemia inhibitory factor (cholinergic differentiation factor)
Gene ID	280840
mRNA Refseq	NM_173931
Protein Refseq	NP_776356
UniProt ID	Q27956

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