

## Recombinant Cattle LIF Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Cattle LIF Protein (Ser23-Ala196) with N-His tag was expressed in 293F.
<b>Species</b>	Cattle
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ser23-Ala196
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 20.8 kDa Accurate Molecular Mass: 40 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

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

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