

## General Information

### Gene Name:

leukemia inhibitory factor

**Official Symbol:** LIF

**Organism:** Bos taurus

**RefSeq:** XM\_015475541

## Description

### Sequence Description:

Identical with the Gene Bank Ref. ID sequence.

**Vector:** pcDNA3.1-3xFlag

**Restriction Sites:** HindIII + KpnI

### Shipping carrier:

Each tube contains approximately 5 µg - 10 µg of lyophilized plasmid.

### Storage:

The lyophilized plasmid can be stored at ambient temperature for three months.

### Quality control:

The plasmid is confirmed by full-length sequencing with primers in the sequencing primer list.

### Sequencing primer list:

**T7:**TAATACGACTCACTATAGGG

**BGH:**TAGAAGGCACAGTCGAGG

## Plasmid Resuspension protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add 20 µl of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 °C.

### The plasmid is ready for:

Restriction enzyme digestion; PCR amplification; E. coli transformation; DNA sequencing

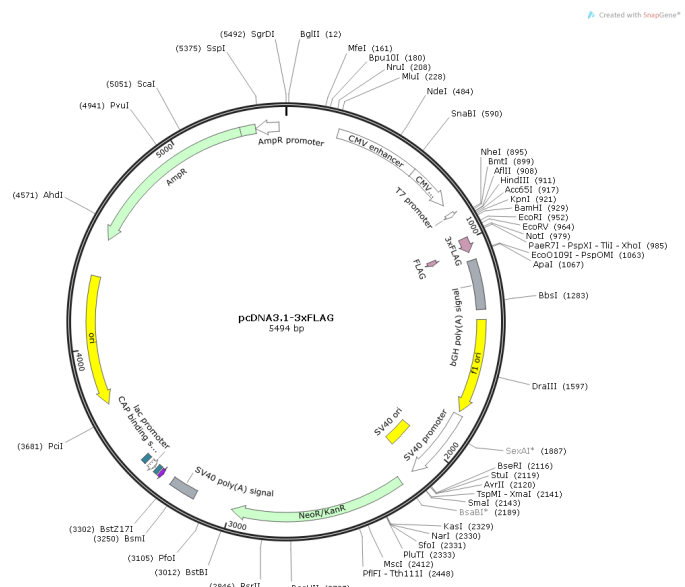
### E.coli strains for transformation (recommended but not limited):

Most commercially available competent cells are appropriate for the plasmid, e.g. TOP10, DH5α and TOP10F'.

## Vector Information

Mammalian vector for expressing C-terminal 3xFlag tagged proteins.

### Physical Map of pcDNA3.1-3xFlag:



Vector Name	pcDNA3.1-3xFlag
Vector Size	5508 bp
Vector Type	Mammalian Expression Vector

# Cattle LIF (XM\_015475541) cDNA/ORF clone



Catalog Number: 739991-1

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Expression Method	Constitutive, Stable / Transient	Antibiotic Resistance	Ampicillin
Promoter	CMV	Selection In Mammalian Cells	Neomycin
		Protein Tag	Flag