

Datasheet for ABIN7275154

**LIF Protein (AA 25-203) (Fc Tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	LIF
Protein Characteristics:	AA 25-203
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LIF protein is labelled with Fc Tag.

## Product Details

Purpose:	Mouse LIF Protein
Sequence:	Pro25-Phe203
Characteristics:	Recombinant Mouse LIF Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Pro25-Phe203.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	LIF
Alternative Name:	LIF ( <a href="#">LIF Products</a> )

## Target Details

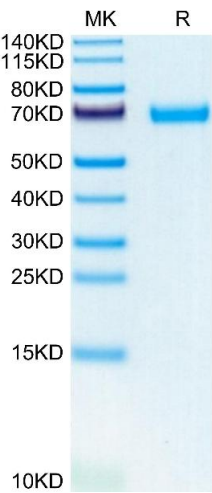
Background:	Leukemia inhibitory factor (LIF) has played a vital role in a series of reproductive events, including follicle growth, embryo growth and differentiation. However, it is unclear whether the level of LIF in embryo culture medium can be used as a marker for clinical pregnancy.
Molecular Weight:	46.5 kDa. Due to glycosylation, the protein migrates to 67-70 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P09056</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Negative Regulation of Hormone Secretion</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Growth Factor Binding</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

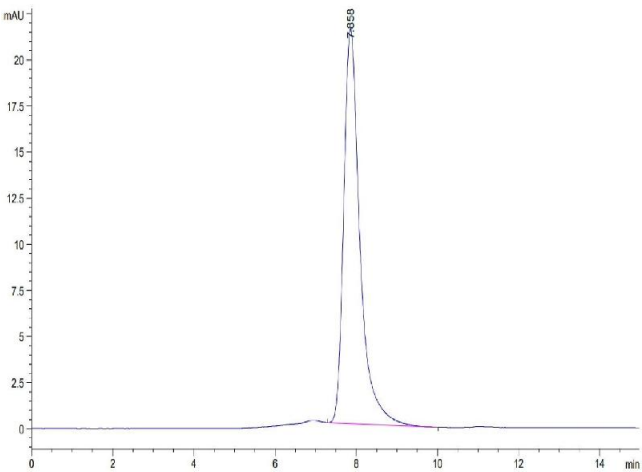
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Mouse LIF on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse LIF is greater than 95 % as determined by SEC-HPLC.