

Datasheet for ABIN2444162

**LIFR Protein (AA 45-833) (Fc Tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	LIFR
Protein Characteristics:	AA 45-833
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LIFR protein is labelled with Fc Tag.

## Product Details

Sequence:	AA 45-833
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 115.5 kDa. The protein migrates as 135-150 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

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

## Target Details

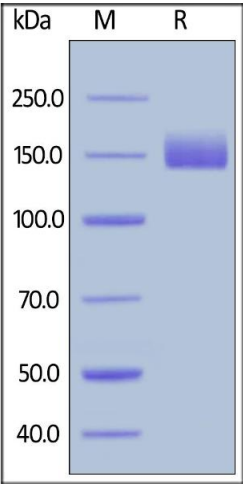
Background:	Leukemia inhibitory factor receptor is also known as LIFR, CD118, FLJ98106, FLJ99923, LIF-R, SJS2, STWS, SWS, is the receptor for leukemia inhibitory factor (LIF). The leukemia inhibitory factor is a polyfunctional cytokine that affects the differentiation, survival, and proliferation of a wide variety of cells in the adult and the embryo. LIF action appears to be mediated through a high-affinity receptor complex composed of a low-affinity LIF binding chain (LIF receptor) and a high-affinity converter subunit, gp130. Both LIFR and gp130 are members of a family of cytokine receptors that includes components of the receptors for the majority of hematopoietic cytokines and for cytokines that affect other systems, including the ciliary neurotrophic factor, growth hormone and prolactin Defects in LIFR are the cause of Stueve-Wiedemann syndrome (SWS), a severe autosomal recessive condition and belongs to the group of the bent-bone dysplasias.
Molecular Weight:	115.5 kDa
NCBI Accession:	<a href="#">NP_001121143</a>
Pathways:	<a href="#">JAK-STAT Signaling, Growth Factor Binding</a>

## Application Details

Restrictions:	For Research Use only
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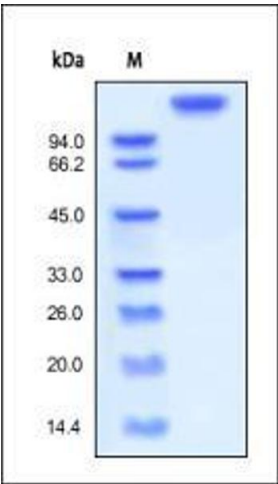
## Handling

Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C. Avoid repeated freeze-thaw cycles.



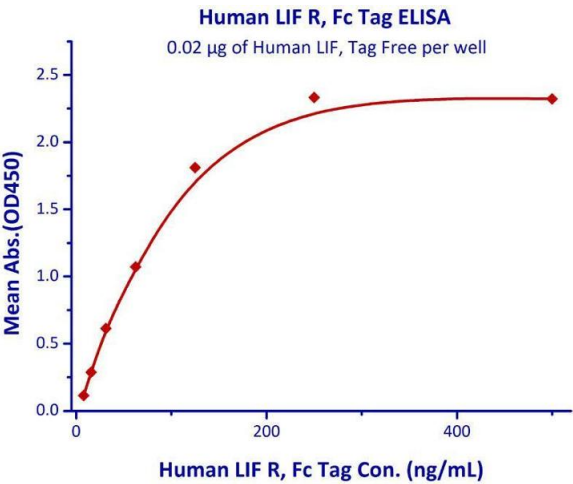
SDS-PAGE

**Image 1.** Human LIF R, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .



SDS-PAGE

**Image 2.**



Binding Studies

**Image 3.** Immobilized Human LIF, Tag Free with a linear range of 7.8-31.25 ng/mL.