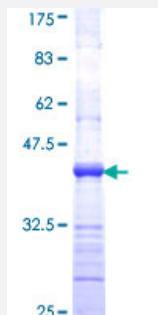


# LIFR (Human) Recombinant Protein (Q01)

Catalog # H00003977-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human LIFR partial ORF ( NP_002301, 45 a.a. - 154 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	QKKGAPHDLKCVTNLQVWNCWKAPSGTGRGTDYEVCIENRSRSCYQLEKTSIKIPALSHGDYE ITINSLHDFGSSTSKFTLNEQNVSLIPDTPEILNLSADFSTSTLY
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	37.84
<b>Interspecies Antigen Sequence</b>	Mouse (60); Rat (62)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — LIFR

Entrez GeneID [3977](#)

GeneBank Accession# [NM\\_002310](#)

Protein Accession# [NP\\_002301](#)

Gene Name LIFR

Gene Alias CD118, FLJ98106, FLJ99923, LIF-R, SJS2, STWS, SWS

Gene Description leukemia inhibitory factor receptor alpha

Omim ID [151443](#) [601559](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a protein that belongs to the type I cytokine receptor family. This protein combines with a high-affinity converter subunit, gp130, to form a receptor complex that mediates the action of the leukemia inhibitory factor, a polyfunctional cytokine that is involved in cellular differentiation, proliferation and survival in the adult and the embryo. Mutations in this gene cause Schwartz-Jampel syndrome type 2, a disease belonging to the group of the bent-bone dysplasias. A translocation that involves the promoter of this gene, t(5;8)(p13;q12) with the pleiomorphic adenoma gene 1, is associated with salivary gland pleiomorphic adenoma, a common type of benign epithelial tumor of the salivary gland. Multiple splice variants encoding the same protein have been found for this gene. [provided by RefSeq]

**Other Designations** CD118 antigen|leukemia inhibitory factor receptor

## Pathway

- [Cytokine-cytokine receptor interaction](#)

- [Jak-STAT signaling pathway](#)