

# Recombinant Human LIFR

**Cat. No.** LIFR-28855TH    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human LIFR with N terminal proprietary tag, 37.73kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	110 amino acids
<b>Description</b>	<p>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.</p>
<b>Molecular Weight</b>	37.730kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification

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<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	QKKGAPHDLKCVTNNLQVWNCWKAPSGTGRGTDYEVCIENRSRSCYQLEKTSIKI PALSHGDYEITINSLHDFGSSTSKFTLNEQNVSLIPDTPEILNLSADFSTSTLY

## GENE INFORMATION

<b>Gene Name</b>	LIFR leukemia inhibitory factor receptor alpha [ Homo sapiens ]
<b>Official Symbol</b>	LIFR
<b>Synonyms</b>	LIFR; leukemia inhibitory factor receptor alpha; leukemia inhibitory factor receptor; CD118;
<b>Gene ID</b>	3977
<b>mRNA Refseq</b>	NM_001127671
<b>Protein Refseq</b>	NP_001121143
<b>MIM</b>	151443
<b>Uniprot ID</b>	P42702
<b>Chromosome Location</b>	5p13-p12
<b>Pathway</b>	Adipogenesis, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved

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biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;

**Function**

contributes\_to ciliary neurotrophic factor receptor activity; ciliary neurotrophic factor receptor binding; cytokine binding; growth factor binding; leukemia inhibitory factor receptor activity;

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