

Recombinant Human LIFR

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

SPECIFICATION

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

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

GENE INFORMATION

Gene Name	LIFR leukemia inhibitory factor receptor alpha [Homo sapiens]
Official Symbol	LIFR
Synonyms	LIFR; leukemia inhibitory factor receptor alpha; leukemia inhibitory factor receptor; CD118;
Gene ID	3977
mRNA Refseq	NM_001127671
Protein Refseq	NP_001121143
MIM	151443
Uniprot ID	P42702
Chromosome Location	5p13-p12
Pathway	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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