Recombinant Human LIFR protein, His-tagged

Cat. No. LIFR-2817H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIFR aa. (Gln45~Leu184 (Accession # P42702)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln45~Leu184
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.4kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

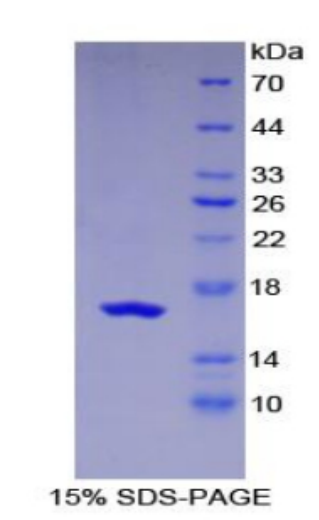
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Purity	>95%
Characteristic	The isoelectric point is 6.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	LIFR LIF receptor alpha [Homo sapiens (human)]
Official Symbol	LIFR
Synonyms	SWS; SJS2; STWS; CD118; LIF-R; CD118 antigen; LIF receptor; leukemia inhibitory factor receptor alpha; leukemia inhibitory factor receptor
Gene ID	3977
mRNA Refseq	NM_001127671.1

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Protein Refseq	NP_001121143.1
UniProt ID	P42702
SDS-PAGE	

15% SDS-PAGE

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