

Recombinant Human LIFR protein, His-tagged

Cat. No. LIFR-30H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LIFR, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	LIFR, also known as leukemia inhibitory factor receptor, is the receptor for leukemia inhibitory factor, a pleiotropic cytokine affecting the differentiation, survival, and proliferation of a wide variety of cells in the adult and the embryo. LIFR plays an important role in several aspects of early pregnancy such as blastocyst implantation in the uterus.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	90.5kDa (798aa)100-150KDa (SDS-PAGE under reducing conditions.)
AA Sequence	ADPQKKGAPH DLKCVTNNLQ VWNCSWKAPS GTGRGTDYEV CIENRSRSCY QLE KTSIKIP ALSHGDYEIT INSLHDFGSS TSKFTLNEQNVSLIPDTPEI LNLSADFSTS TL YLKWNDRG SVFPHRSNVI WEIKVLRKES MELVKLVTHN TTLNGKDTLH HWSWAS DMPL ECAIHFVEIRCYIDNLHFSG LEEWSDWSPV KNISWIPDSQ TKVFPQDKVI LV GSDITFCC VSQEKVLSAL IGHNTCNPLIH LDGENVAIKI RNISVSASSGTNNVFTTEDN IFGTVIFAGY PPDTPQQQLNCETHDLKEIICSWNPGRVTALVGPRATSYTLVESFSGKY VRLKRAEAPTNESYQLLFQMLPNQEIYNFTLN AHNPLGRSQS TILVNITEKV YPHTP TSFKV KDINSTAVKL SWHLPGNFAK INFLCEIEIK KSNSVQEQRN VTIKGVENSSYL

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VALDKLNP YTLYTFRIRC STETFWKWSK WSNKKQHLTT EASPSKGPDT WREWS
SDGKN LIIYWKPLPI NEANGKILSY NVSCSSDEETQSLSEIPDPQ HKAEIRLDKN DY
IISVVAKN SVGSSPPSKI ASMEIPNDDL KIEQVVGGMK GILLTWHYDP NMTCDYVI
KW CNSSRSEPCLMDWRKVPSNS TETVIESDEF RPGIRYNFFL YGCRNQGYQL LR
SMIGYIEE LAPIVAPNFT VEDTSADSIL VKWEDIPVEE LRGFLRGYLFYFGKGERDT
S KMRVLESGRS DIKVKNITDI SQKTLRIADL QGKTSYHLVL RAYTDGGVGP EKSM
YVVTKE NSHHHHHH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity >90% by SDS - PAGE

Storage Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name [LIFR leukemia inhibitory factor receptor alpha \[Homo sapiens \]](#)

Official Symbol [LIFR](#)

Synonyms LIFR; CD118; LIF receptor; CD118 antigen; SWS; SJS2; STWS; LIF-R

Gene ID [3977](#)

mRNA Refseq [NM_001127671](#)

Protein Refseq [NP_001121143](#)

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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 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; contributes_to leukemia inhibitory factor receptor activity; contributes_to oncostatin-M receptor activity; receptor activity;

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