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**Product Data Sheet**


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Product Name: LIFR Human  
 Cat. No.: GP20726  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Leukemia Inhibitory Factor Receptor Alpha; CD118 Antigen;LIF Receptor; LIF-R; Leukemia Inhibitory Factor Receptor; CD118; SJS2; STWS; SWS;Leukemia inhibitory factor receptor; LIF receptor; LIF-R.		
Amino Acid Sequence	<p>ADPQKKGAPH DLKCVTNNLQVWNCWKAPS GTGRGTDYEV CIENRSRSCY          QLEKTSIKIP ALSHG DY EIT INSLHDFGSS TSKFTLNEQN          VSLIPDTPEILNLSADFSTS TLYLKWDRG SVFPHRSNVI WEIKVLRKES          MELVKLVTHN TTLNGKDTLH HWSWASDMPLECAIHFEIR CYIDNLHFSG          LEEWSDWSPV KNISWIPDSQ TKVFPQDKVI LVGSDITFCCVSQEKVLSAL          IGH TNCPLIH LDGENVAIKI RNISVSASSG TNVVFTTEDN IFGTVIFAGY          PPDTPQQLNCETHDLKEIIC SWNPGRVTAL VGPRATS YTL VESFSGKYVR          LKRAEAPTNE SYQLLFQMLP NQEIYNFTLN AHNPLGRSQS TILVNITEKV          YPHTPTSFKV KDINSTAVKLSWHLPGNFAK INFLCEIEIK KSNSVQEQRN          VTIKGVENSS YLVALDKLNP YTLYTFRIRC STETFWKWSK          WSNKKQHLTTEASPSKGPDT WREWSSDGKN LIYWKPLPI NEANGKILSY          NVSCSSDEET QSLSEIPDPQ HKA EIRLDKN DYIISVVAKN SVGSSPPSKI          ASMEIPND DLKIEQVVG MGK GILLTWHYDP NMTCDYVIKW CNSSRSEPCL          MDWRKVPSNS TETVIESDEF RPGIRYNFFLYGCRNQQGYQL LRSMIGYIEE          LAPIVAPNFT VEDTSADSIL VKWEDIPVEE LRGFLRGYLF YFGKGERDTS          KMRVLESGRSDIKVKNITDI SQKTLRIADL QGKTSYHLVL RAYTDGGVGP          EKSMYVVTKE NSHHHHHH.</p>		
Formulation	LIFR protein solution (0.5mg/ml) contains PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

**Introduction**

Leukemia inhibitory factor receptor (LIFR) is the receptor for leukemia inhibitory factor, a

**Caution: Product has not been fully validated for medical applications. For research use only.**

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pleiotropic cytokine affecting the differentiation, survival, and proliferation of various cells in the adult and the embryo. LIFR plays an imperative role in a number of aspects of early pregnancy such as blastocyst implantation in the uterus.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

LIFR produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 798 amino acids (45-833a.a.) and having a molecular mass of 90.5kDa (Molecular size on SDS-PAGE will appear at approximately 100-150kDa).

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