

## Product datasheet for **AR52037PU-S**

### LIFR / CD118 (45-833, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	LIFR / CD118 (45-833, His-tag) human protein, 50 µg
<b>Species:</b>	Human
<b>Expression cDNA Clone or AA Sequence:</b>	ADPQKKGAPH DLKCVTNNLQ VWNCSWKAPS GTGRGTDYEV CIENRSRSCY QLEKTSIKIP ALSHGDYEIT INSLHDFGSS TSKFTLNEQN VSLIPDTPEI LNLADFSTS TLYLKWNDRG SVFPHRSNVI WEIKVLRKES MELVKLVTHN TTLNGKDTLH HWSWASDMPL ECAIHFEIR CYIDNLHFSG LEEWSWSPV KNISWIPDSQ TKVFPQDKVI LVGSDITFCC VSQEKVLSAL IGHNTCPLIH LDGENVAIKI RNISVSASSG TNVFTTEDN IFGTVIFAGY PPDTPQQLNC ETHDLKEIC SWNPGRVTAL VGPRATSYTL VESFSGKYVR LKRAEAPTNE SYQLLFQMLP NQEIYNFTLN AHNPLGRSQS TILVNITEKV YPHTPTSFKV KDINSTAVKL SWHLPGNFAK INFLCEIEIK KNSVQEQRN VTIKGVENSS YLVALDKLNP YTLTYFRIRC STETFWKWSK WSNKKQHLLT EASPSKGPDT WREWSSDGKN LIYWKPLPI NEANGKILSY NVSCSSDEET QSLSEIPDPQ HKAEIRLDKN DYIISVAKN SVGSSPPSKI ASMEIPNDL KIEQVGMGK GILLTWHYDP NMTCDYVIKW CNSSRSEPC LMDWRKVPSNS TETVIESDEF RPGIRYNFFL YGCRNQGYQL LRSMIGYIEE LAPIVAPNFT VEDTSADSIL VKWEDIPVEE LRGFLRGYLF YFGKGERDTS KMRVLESGRS DIKVKNITDI SQKTLRIADL QGKTSYHLVL RAYTDGGVGP EKSMYVVTKE NSHHHHHH
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	90.5 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
<b>Endotoxin:</b>	< 1.0 EU per 1 microgram of protein (determined by LAL method)
<b>Preparation:</b>	Liquid purified protein
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001121143</a>
<b>Locus ID:</b>	3977



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UniProt ID: [P42702](#), [A8K1Z4](#)

Cytogenetics: 5p13.1

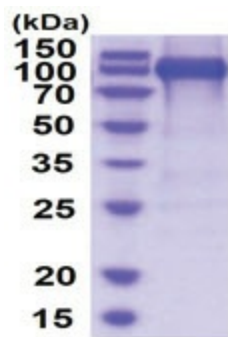
Synonyms: CD118; LIF-R; SJS2; STWS; SWS

**Summary:** 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 two different isoforms have been found for this gene. [provided by RefSeq, Jun 2018]

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:** Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

### Product images:



15% SDS-PAGE (3ug)