

LIFR, 45-833aa, Human, His tag, Baculovirus

Cat.NO.: TP02825

3th Edition

Synonyms:Leukemia inhibitory factor receptor, LIFR, CD118, LIF-R, SJS2, STWS, SWS

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. Recombinant human LIFR, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:90.5kDa (798aa), 100-150KDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPQKKGAPHDLKCVTNNLQVWNC SWKAPSGTGRGTDYEVC IENRSRSCYQLEKTSIKIPALSHGDYEITINSLHD
FGSSTSKFTLNEQNVSLIPDTP EILNLSADFSTSTLYLKW NDRGVSFPHRSNVIWEIKVLRKESMELVKLVTHNTTLN
GKDTLHHWSWASDMPLECAIH FVEIRCYIDNLHFSGLEE WSDWSPVKNISWIPDSQTKVFPQDKVILVGS DITFCCV
SKEKVL SALIGHTNCP LIHLDGENVAIKIRNISVSASSGT NNVFTTEDNIFGT VIFAGYPPDTPQQ LNCETHDLKEIICS
WNPGRVTALVGPRATSYTLV ESFSGKYVRLKRAEAPT NESYQLLFQMLPNQEIYNFTLNAHNPLGRSQSTILVNITE
KVYPHTPTSFKVKDINSTAVKLSWHLPGNF AKINFLCEIEIKKSNSVQEQRNVTIKGVENSSYLVALDKLNPYTYTFR
IRCSTETFWKWSKWSNKKQHLTTEASPSKGPDTWREWSSDGKNLIYWKPLPINEANGKILSYNVSCSSDEETQSL
SEIPDPQHKA EIRLDKNDYIISVVAKN SVGSSPPSKIASMEIPND DLKIEQVVGMGKGILLTWHYDPNMTCDYVIKWC
NSSRSEPCLMDWRKVP SNSTETVIESDEF RPGIRYNFFLYGCRNQQGYQLLRSMIGYIEELAPIVAPNFTVEDTSADSI
LVKWEDIPVEELRGFLRGYLFYFGKGERDTSKMRVLESGRSDIKVKNITDISQKTLRIADLQGKTSYHLVLRAYTDGG
VGPEKSMYVVTKENS HHHHHH

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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