

Recombinant human LIFR alpha/LIFR protein

Catalog Number: ATGP3310

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

45-833aa

UniProt No.

P42702

NCBI Accession No.

NP_002301.1

Alternative Names

Leukemia inhibitory factor receptor, LIFR, CD118, LIF-R, SJS2, STWS, SWS, LIF receptor subunit alpha

PRODUCT SPECIFICATION

Molecular Weight

90.5 kDa (798aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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and purified by using conventional chromatography techniques.

Amino acid Sequence

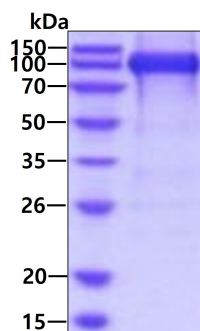
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HWSWASDMPL ECAIHVFEIR CYIDNLHFSG LEEWSDWSPV KNISWIPDSQ TKVFPQDKVI LVGSDITFCC VSQEKVLSAL
IGHTNCPLIH LDGENVAIKI RNISVSASSG TNVVFTTEDN IFGTVIFAGY PPDTPQQLNC ETHDLKEIIC SWNPGRVTAL
VGPRATSYTL VESFSGKYVR LKRAEAPTNE SYQLLFQMLP NQEIYNFTLN AHNPLGRSQS TILVNITEKV YPHTPTSFKV
KDINSTAVKL SWHLPGNFAK INFLCEIEIK KSNSVQEQRN VTIKGVENSS YLVALDKLNP YTLYTFRIRC STETFWKWSK
WSNKKQHLLT EASPSKGPDT WREWSSDGKN LIYWKPLPI NEANGKILSY NVSCSSDEET QSLSEIPDPQ HKAEIRLDKN
DYIISVVAKN SVGSSPPSKI ASMEIPNDDL KIEQVVGMGK GILLTWHYDP NMTCDYVIKW CNSSRSEPCL MDWRKVPSNS
TETVIESDEF RPGIRYNFFL YGCRNQGYQL LRSMIGYIEE LAPIVAPNFT VEDTSADSIL VKWEDIPVEE LRGFLRGYLF
YFGKGERDTS KMRVLESGRS DIKVKNITDI SQKTLRIADL QGKTSYHLVL RAYTDGGVGP EKSMYVVTKE NS<HHHHHH>

General References

Gearing DP., et al. (1991) EMBO J. 10:2839-2848.
Cheng JG., et al. (2001) Proc Nati Acad Sci USA 98:8680-8685.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.