

LIFR Human

Leukemia Inhibitory Factor Receptor Alpha Human Recombinant
CYK0481

Product Overview

Name LIFR Human

Description

Leukemia Inhibitory Factor Receptor Alpha Human Recombinant

Accession (Primary) [P42702](#)

Synonyms

Leukemia inhibitory factor receptor, LIF receptor, LIF-R, D-factor/LIF receptor, CD118, CD antigen, leukemia inhibitory factor receptor isoform 1 precursor, Lifr.

Introduction

Leukemia Inhibitory Factor Receptor Alpha or LIFR is a protein, part of the Interleukin-6 receptor group of proteins. As such, LIFR acts as a mediator for various proteins (IL-6, IL-11, IL-27, Oncostatin M etc). LIFR has many functions as a cytokine, he has an affect on the cell proliferation, differentiation and survival in the different stages of life. In different types of breast cancer LIFR is down regulated, and as such, can be used as a prognostic tool.

Source

Sf9, Baculovirus cells .

Physical Appearance

Sterile Filtered colorless solution.

Formulation

LIFR protein (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

ADP LKRGVQD LKCTTNMRV WDCTWPAPLG VSPGTVKDIC IKDRFHSCHP LETTNVKIPA LSPGDHEVTI
NYLNGFQSKF TLNEKDVSLI PETPEILDLS ADFFTSSLLL KWNDRGSALP HPSNATWEIK VLQNPRTPEV
ALVLLNTMLS GKDTVQHWNW TSDLPLQCAT HSVSIRWHID SPHFSGYKEW SDWSPLKNIS WIRNTETNVF
PQDKVVLGAS NMTICCMSPT KVLSGQIGNT LRPLIHLYGQ TVAIHILNIP VSENSGTNII FITDDDVYGT

VVFAGYPPDV PQLKSCETHD LKEIICSWNP GRITGLVGPR NTEYTLFESI SGKSAVFHRI EGLTNETYRL
GVQMHPGQEI HNFTLTGRNP LGQAQSAVVI NVTERVAPHD PTSLKVKDIN STVVTFSWYL PGNFTKINLL
CQIEICKANS KKEVRNATIR GAEDSTYHVA VDKLNPYTAY TFRVRCSSKT FWKWSRWSDE KRHLTTEATP
SKGPDTWREW SSDGKNLIVY WKPLPINEAN GKILSYNVSC SLNEETQSVL EIFDPQHRAE IQLSKNDYII
SVVARNASGS SPPSKIASME IPNDDITVEQ AVGLGNRIFL TWRHDPNMTD DYVIKWCNSS RSEPCLLDWR
KVPSNSTETV IESDQFQPGV RYNFYLYGCT NQGYQLLSI IGYVEELAPI VAPNFTVEDT SADSILVKWD
DIPVEELRGF LRGYLFYFQK GERDTPKTRS LEPHHS DIKL KNITDISQKT LRIADLQGKT SYHLVLRAYT
HGGLGPEKSM FVVTKENS HH HHHH.

Biological Activity

Measured by its ability to inhibit proliferation using TF-1 human erythroleukemic cells. The ED50 range ? 1ug/ml with Mouse LIF.

Precautions

LIFR Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([P42702](#))