

32-6489: LIFR Mouse

Application : Functional Assay

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

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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.

LIFR Mouse Recombinant produced in Baculovirus is a single glycosylated polypeptide chain containing 794 amino acids (44-828 aa) and having a molecular mass of 89.6kDa. LIFR is fused to a 9 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

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

Storage condition : 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.

Amino Acid : ADPLKRGVQD LKCTTNNMRV WDCTWPAPLG VSPGTVKDIC IKDRFHSCHP LETTNVKIPA LSPGDHEVTI NYLNGFQSKF TLNEKDVSLI PETPEILDLS ADFFTSSLLL KWNDRGSALP HPSNATWEIK VLQNPRTPEV ALVLLNTMLS GKDTVQHWNW TSDLPLQCAT HVSIRWHID SPHFSGYKEW SDWSPLKNIS WIRNTETNVF PQDKVVLGAS NMTICMSPT KVLGQIGNT LRPLIHYGQ TVAIHILNIP VSENSGTNII FITDDDVYGT VVFAGYPPDV PQLSCETHD LKEIICSWNP GRITGLVGPR NTEYTLFESI SGKSAVFHRI EGLTNETYRL GVQMHPGQEI HNFTLTGRNP LGQAQSAVVI NVTERVAPHD PTLKVKDIN STVVTFWSWYL PGNFTKINLL CQIEICKANS KKEVRNATIR GAEDSTYHVA VDKLNPTYAY TFRVRCSSKT FWKWSRWSDE KRHLTTEATP SKGPDWREW SSDGKNLIVY WKPLPINEAN GKILSYNVSC SLNEETQSVL EIFDPQHRAE IQLSKNDYII SVVARNASGS SPPSKIASME IPNDITVEQ AVGLGNRIFL TWRHDPNMTC DYVIKWCNSS RSEPCLLDWR KVPSNSTETV IESDQFQPGV RYNFYLYGCT NQGYQLLSI IGYVEELAPI VAPNFTVEDT SADSILVKWD DIPVEELRGF LRGYLYFYQK GERDTPKTRS LEPHSDIKL KNITDISQKT LRIADLQGKT SYHLVLRAYT HGGLGPEKSM FVVTKENSHH HHHH.

Application Note

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