

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 LKCTTNMNRV WDCTWPAPLG VSPGTVKDIC IKDRFHSCHP LETTNVKIPA LSPGDHEVTI NYLNGFQSKF TLNEKDVSLI PETPEILDLS ADFFTSSLLL KWNDRGSALP HPSNATWEIK VLQNPRTPEV ALVLLNTMLS GKDTVQHWNN TSDLPLQCAT HVSIRWHID SPHFSGYKEW SDWSPLKNIS WIRNTETNVF PQDKVVLGAS NMTICCMSPT KVLGSGQIGNT LRPLIHLYGQ TVAIHILNIP VSENSGTNII FITDDDVYGT VVFAGYPPDV PQKLSCEHD LKEIICSWNP GRITGLVGPR NTEYTLFESI SGKSAVFHRI EGLTNETYRL GVQMHPGQEI HNFTLTGRNP LGQAQSAVVI NVTERVAPHD PTLKVKDIN STVVTFWSYL PGNFTKINLL CQIEICKANS KKEVRNATIR GAEDSTYHVA VDKLNPYTAY TFRVRCSSKT FWKWSRWSDE KRHLTTEATP SKGPDWTREW SSDGKNLIVY WKPLPINEAN GKILSYNVSC SLNEETQSVL EIFDPQHRAE IQLSKNDYII SVVARNASGS SPPSKIASME IPNDITVEQ AVGLGNRIFL TWRHDPNMTC DYVIKWCNSS RSEPCLLDWR KVPSNSTETV IESDQFQPGV RYNFYLYGCT NQGYQLLSI IGYVEELAPI VAPNFTVEDT SADSILVKWD DIPVEELRGF LRGYLFYFQK GERDTPKTRS LEPHHSIDKL KNITDISQKT LRIADLQGKT SYHLVLRAYT HGGLGPEKSM FVVTKENS HH HHHH.

Application Note

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