

LIFR alpha Active Protein | LIFRalpha active protein

Recombinant Mouse LIFR alpha Protein

CATALOG # AAA48367	HOST Baculovirus	APPLICATIONS SDS-Page
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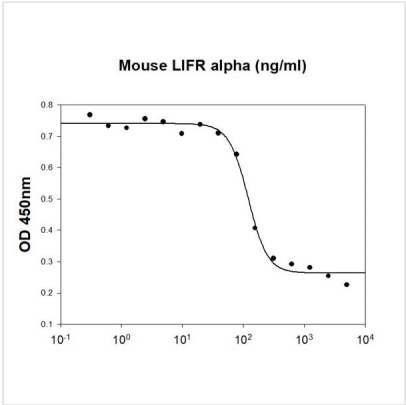
PRODUCT SYNONYMS

LIFR alpha; Recombinant Mouse LIFR alpha Protein; Leukemia inhibitory factor receptor; LIF receptor; LIF-R; D-factor/LIF receptor; CD118; CD_antigen; leukemia inhibitory factor receptor isoform 1 precursor; Lifr; LIFRalpha active protein

PRODUCT SPECIFICATIONS

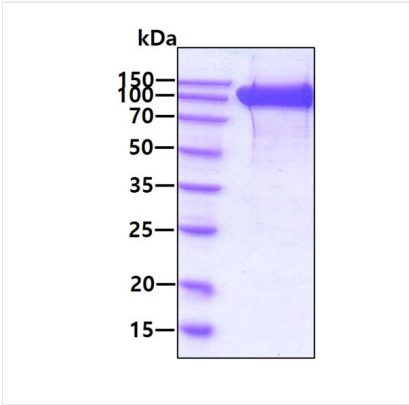
Host	Baculovirus
Purity/Purification	>90% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	0.25mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	44-828aa
Sequence	LKRGV QDLKCTTNM RVWDCTWPAP LGVSPGTVKD ICIKDRFHSC HPLETTN VKI PALSPGDHEV TINYLNGFQS KFTLNEKDVS LIPETPEILD LSADFFTSSL LLKWNDRGSA LPHPSNATWE IKVLQNP RTE PVALVLLNTM LSGKDTVQHW NWTSDLPLQC ATHSVSIRWH IDSPHFSGYK EWSDWSP LKN ISWIRNTETN VFPQDKVLA GSNMTICCMS PTKVLSGQIG NTLRPLIHL Y GQTVAIHILN IPVSENSGTN IIFITDDDDVY GTVVFAGYPP DVPQKLSCET HDLKEIICSW NPGRITGLVG PRNTEYTLFE SISGKSAVFH RIEGLTNETY RLGVQMHPGQ EIHNFTLTGR NPLGQAQSAV VINVTERVAP HDPTSLKVKD INSTVVTF SW YLPGNFTKIN LLCQIEICKA NSKKEVRNAT IRGAEDSTYH VAVDKLN PYT AYTFRVRCSS KTFWKWSRWS DEKRHLTTEA TPSKGPD TWR EWSSDGKNLI VYWKLPINE ANGKILSYNV SCSLNEETQS VLEIFDPQHR AEIQLSKNDY IISVVARNSA GSSPPSKIAS MEIPNDDITV EQAVGLGNRI FLTWRHDPNM TCDYVIKWCN SSRSEPCLLD WRKVPSNSTE TVIESDQFQP GVRYNFYLYG CTNQGYQLLR SIIGYVEELA PIVAPNFTVE DTSADSILVK WDDIPVEELR GFLRGYLFYF QKGERDTPKT RSLEPHHSDI KLNITDISQ KTLRIADLQG KTSYHLVLRA YTHGGLGPEK SMFVVT KENS
Applicable Applications for LIFRalpha active protein	Bioactivity, SDS-PAGE
Endotoxin	<1 EU per 1ug of protein (determined by LAL method)
Species	Mouse
Tag	His-Tag
Predicted N-term	Leu
Bioactivity	Measured by its ability to inhibit proliferation using TF-1 human erythroleukemic cells. The ED50 range <= 1ug/ml with Mouse LIF.
Preparation and Storage	Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



Bioactivity

Mouse LIFR alpha inhibits human LIF (Cat# ATGP3533) induced cell proliferation in the TF-1 human erythroleukemic cells. The ED50 range is



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for LIFRalpha active protein	LIFR alpha, also known as CD118, is a member of the Interleukin-6 receptor family. Members of this family mediate the biological effects of Cardiotrophin-1, CLC, CNTF, IL-6, IL-11, IL-27, and Oncostatin M. The leukemia inhibitory factor is a polyfunctional cytokine that affects the differentiation, survival, and proliferation of a wide variety of cells in the adult and the embryo. LIFR alpha has also been identified as a breast cancer metastasis suppressor that functions through the HIPPO-YAP pathway. LIFR alpha is down regulated in a number of breast carcinomas and may serve a prognostic tool. Recombinant mouse LIFR alpha, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for LIFRalpha active protein	Immunology; Proteins
References	Gearing DP., et al (1991) The EMBO Journal. 10: 2839-2848. Layton MJ., et al. (1992) Proc. Natl. Acad. Sci. 89:8616.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P42703
Molecular Weight	89.6kDa (794aa)
UniProt Protein Name	Leukemia inhibitory factor receptor
UniProt Gene Name	Lifr
UniProt Synonym Gene Names	LIF receptor; LIF-R

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/baculovirus-lifralpha-active-protein/lifr-alpha/48367>