Active Recombinant Mouse Lifr Protein, His-tagged

Cat. No. Lifr-021M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse LIFR alpha, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect cells
Description	Signal-transducing molecule. May have a common pathway with IL6ST. The soluble form inhibits the biological activity of LIF by blocking its binding to receptors on target cells.
Form	Liquid
Bio-activity	Measured by its ability to inhibit proliferation using TF-1 human erythroleukemic cells. The ED50 range ≤ 1μg/mL with Mouse LIF.
Molecular Mass	89.6 kDa
AA Sequence	LKRGVQDLKCTTNNMRVWDCTWPAPLGVSPGTVKDICIKDRFHSCHPLETTNVKIP ALSPGDHEVTINYLNGFQSKFTLNEKDVSLIPETPEILDLSADFFTSSLLLKWNDRGS ALPHPSNATWEIKVLQNPRTEPVALVLLNTMLSGKDTVQHWNWTSDLPLQCATHSV SIRWHIDSPHFSGYKEWSDWSPLKNISWIRNTETNVFPQDKVVLAGSNMTICCMSPT KVLSGQIGNTLRPLIHLYGQTVAIHILNIPVSENSGTNIIFITDDDVYGTVVFAGYPPDV PQKLSCETHDLKEIICSWNPGRITGLVGPRNTEYTLFESISGKSAVFHRIEGLTNETYR LGVQMHPGQEIHNFTLTGRNPLGQAQSAVVINVTERVAPHDPTSLKVKDINSTVVTF

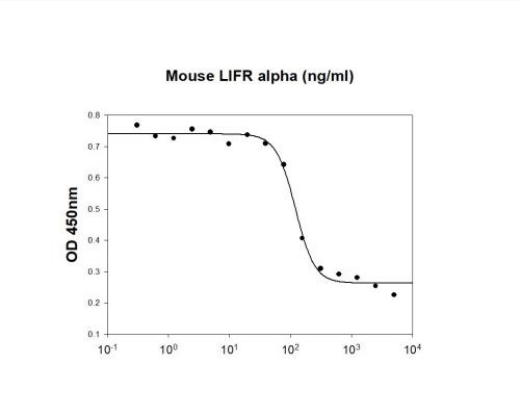
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	SWYLPGNFTKINLLCQIEICKANSKKEVRNATIRGAEDSTYHVAVDKLNPYTAYTFRV RCSSKTFWKWSRWSDEKRHLTTEATPSKGPDTWREWSSDGKNLIVYWKPLPINEA NGKILSYNVSCSLNEETQSVLEIFDPQHRAEIQLSKNDYIISVVARNSAGSSPPSKIAS MEIPNDDITVEQAVGLGNRIFLTWRHDPNMTCDYVIKWCNSSRSEPCLLDWRKVPS NSTETVIESDQFQPGVRYNFYLYGCTNQGYQLLRSIIGYVEELAPIVAPNFTVEDTSA DSILVKWDDIPVEELRGFLRGYLFYFQKGERDTPKTRSLEPHHSDIKLKNITDISQKTL RIADLQGKTSYHLVLRAYTHGGLGPEKSMFVVTKENS
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -100 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/mL (determined by Absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name	Lifr LIF receptor alpha [Mus musculus (house mouse)]
Official Symbol	Lifr
Synonyms	Lifr; LIF receptor alpha; LIF; AW061234; A230075M04Rik; leukemia inhibitory factor receptor; D-factor/LIF receptor; LIF-R; leukemia inhibitory factor receptor alpha chain; soluble differentiation-stimulating factor receptor

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Gene ID	16880
mRNA Refseq	NM_013584
Protein Refseq	NP_038612
UniProt ID	P42703
Biological Activity	 Mouse LIFR alpha inhibits human LIF induced cell proliferation in the TF-1 human erythroleukemic cells. The ED50 range is ≤ 1 μg/mL.
SDS-PAGE	

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

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