

Active Recombinant Mouse LIFR protein(Met1-Ser828), His-tagged

Cat. No. LIFR-868M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse LIFR (NP_038612.1) (Met 1-Ser 828) was expressed in HEK293, with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Ser828
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to bind mouse LIF-Fc in a functional ELISA. 2. Measured by its ability to inhibit the recombinant human LIF mediated inhibition in the M1 mouse myeloid leukemia cells. The ED50 for this effect is typically 5-20 ng/mL in the presence of 2 ng/mL recombinant human LIF.
Molecular Mass	The recombinant mouse LIFR consists of 796 amino acids and has a predicted molecular mass of 90 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm LIFR is approximately 110-120 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Lifr leukemia inhibitory factor receptor \[Mus musculus \]](#)

Official Symbol [LIFR](#)

Synonyms LIFR; leukemia inhibitory factor receptor; LIF-R; LIF receptor; D-factor/LIF receptor; leukemia inhibitory factor receptor alpha chain; soluble differentiation-stimulating factor receptor; LIF; AW061234; A230075M04Rik;

Gene ID [16880](#)

mRNA Refseq [NM_001113386](#)

Protein Refseq [NP_001106857](#)

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