

## Active Recombinant Rat LIFR protein, His-tagged

Cat. No. LIFR-3408R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat LIFR protein(G3V7K2)(Met1-Ser829), fused with His tag, was expressed in HEK293.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Ser829
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
<b>Bio-activity</b>	1.Measured by its binding ability in a functional ELISA. Immobilized Mouse LIF hFc at 2 µg/ml (100 µl/well) can bind Rat LIFR His, the EC50 of Rat LIFR His is 300-700 ng/mL.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 8-40 ng/mL in the presence of 2 ng/mL recombinant human LIF.
<b>Molecular Mass</b>	The recombinant rat LIFR comprises 797 amino acids and predicts a molecular mass of 90 kDa. The apparent molecular mass of the recombinant protein is approximately 116 kDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method

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**Purity** > 95 % as determined by SDS-PAGE

**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 alpha [ *Rattus norvegicus* ]

**Official Symbol**

LIFR

**Synonyms**

LIFR; leukemia inhibitory factor receptor alpha; leukemia inhibitory factor receptor;  
LIF-R; LIF receptor; leukemia inhibitor factor receptor alpha-chain;

**Gene ID**

81680

**mRNA Refseq**

NM\_031048

**Protein Refseq**

NP\_112310

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