

Active Recombinant Human LIFR

Cat. No. LIFR-687H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIFR (Accession # NP_001121143) Met1-Ser833 was produced in Human embryonic kidney cell, HEK293-derived.
Species	Human
Source	HEK293
ProteinLength	1-833 a.a.
Predicted N Terminal	Gln45 predicted: No result obtained, sequencing might be blocked
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit LIF-dependent proliferation of TF-1 human erythroleukemic cells. Kitamura, T. et al. (1989) J. Cell Physiol. 140:323. The ED50 for this effect is typically 1-6 µg/mL in the presence of 0.3 ng/mL of recombinant human LIF.
Molecular Mass	Recombinant Human LIFR has a calculated MW of 89.4 kDa. In SDS-PAGE migrates as 110-140 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

months (-70°C).

GENE INFORMATION

Gene Name	LIFR leukemia inhibitory factor receptor alpha [Homo sapiens]
Official Symbol	LIFR
Synonyms	LIFR; leukemia inhibitory factor receptor alpha; leukemia inhibitory factor receptor; CD118; LIF receptor; CD118 antigen; SWS; SJS2; STWS; LIF-R; FLJ98106; FLJ99923;
Gene ID	3977
mRNA Refseq	NM_001127671
Protein Refseq	NP_001121143
MIM	151443
UniProt ID	P42702
Chromosome Location	5p13-p12

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