

## Active Recombinant Human LIFR

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

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human LIFR (Accession # NP_001121143) Met1-Ser833 was produced in Human embryonic kidney cell, HEK293-derived.                                                                                                                                      |
| <b>Species</b>              | Human                                                                                                                                                                                                                                                           |
| <b>Source</b>               | HEK293                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>        | 1-833 a.a.                                                                                                                                                                                                                                                      |
| <b>Predicted N Terminal</b> | Gln45 predicted: No result obtained, sequencing might be blocked                                                                                                                                                                                                |
| <b>Form</b>                 | Lyophilized from a 0.2 µ filtered solution in PBS.                                                                                                                                                                                                              |
| <b>Bio-activity</b>         | 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. |
| <b>Molecular Mass</b>       | Recombinant Human LIFR has a calculated MW of 89.4 kDa. In SDS-PAGE migrates as 110-140 kDa, reducing conditions.                                                                                                                                               |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                     |
| <b>Storage</b>              | 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                                                                                   |

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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  
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