

Rev02
Update: Aug,08,2025

DATASHEET

LIF R/CD118, His, Human

Cat. No.: Z05580

Product Introduction

Species	Human
Protein Construction	LIF R/CD118 (Gln45-Ser833) Accession # P42702-1 His N-termC-term
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human LIF at 2µg/ml (100µl/Well) on the plate can bind LIF R/CD118, His, Human. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	90.5 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 115-130 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target Background : The leukemia inhibitory factor receptor (LIF-R) subunit is a component of cell-surface receptor complexes for the multifunctional cytokines, LIF, cardiotrophin-1, ciliary neurotrophic factor, and human oncostatin M. The structure of the human LIF-R gene is similar to that of the mouse gene. The transmembrane receptor is encoded by 19 exons.

Synonyms : FLJ99923; SJS2; STWS; SWS; LIFR; CD118; FLJ98106

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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