

Human LIF R/CD118 Protein

Cat. No. LIF-HM20R

Description

Source	Recombinant Human LIF R/CD118 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln45-Ser833.
Accession	P42702-1
Molecular Weight	The protein has a predicted MW of 116.1 kDa. Due to glycosylation, the protein migrates to 120-160 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

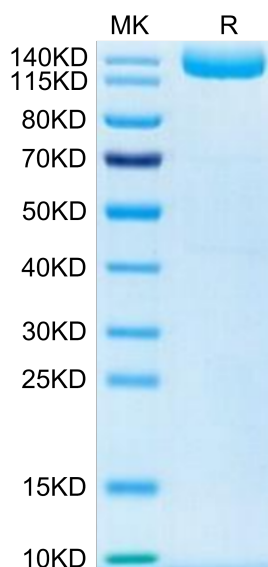
Formulation	Supplied as 0.22 μm filtered solution in 20mM Tris, 500mM NaCl, 200mM L-arginine, 5mM DTT.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

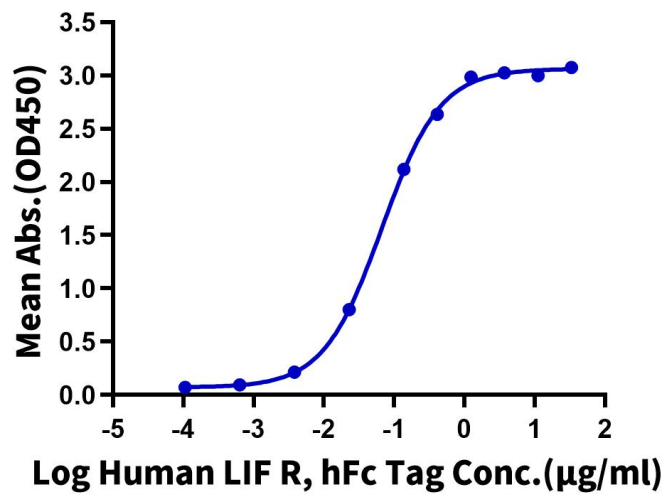
Assay Data

Bis-Tris PAGE



Human LIF R on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human LIF R, hFc Tag ELISA0.1 μ g Human LIF, No Tag Per Well

Immobilized Human LIF, No Tag at 1 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Human LIF R, hFc Tag with the EC₅₀ of 66.8ng/ml determined by ELISA.