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 Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

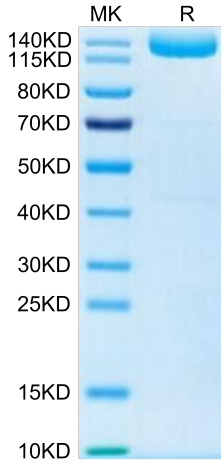
Formulation	Supplied as 0.22μm filtered solution in 20mM Tris, 500mM NaCL, 200mM L-arginine, 5mM DTT.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

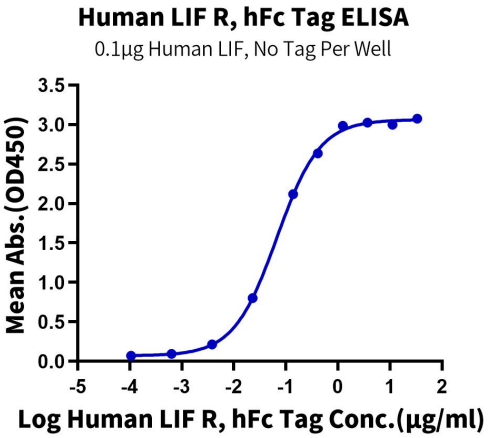
Assay Data

Tris-Bis PAGE



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

ELISA Data



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