

# Mouse VLDLR Protein

Cat. No. VDR-MM101

## Description

<b>Source</b>	Recombinant Mouse VLDLR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly28-Ser797.
<b>Accession</b>	P98156
<b>Molecular Weight</b>	The protein has a predicted MW of 86.1 kDa. Due to glycosylation, the protein migrates to 110-130 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE

## Formulation and Storage

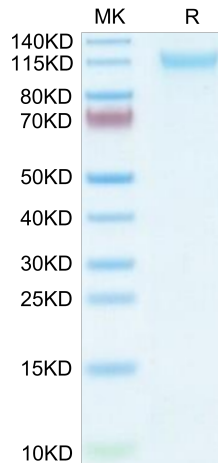
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

VLDLR cerebellar hypoplasia (VLDLR-CH) is characterized by non-progressive congenital ataxia that is predominantly truncal and results in delayed ambulation, moderate-to-profound intellectual disability, dysarthria, strabismus, and seizures. VLDLR-CH is inherited in an autosomal recessive manner. Carrier testing for at-risk relatives, prenatal testing for a pregnancy at increased risk and preimplantation genetic testing are possible when the pathogenic variants in a family are known.

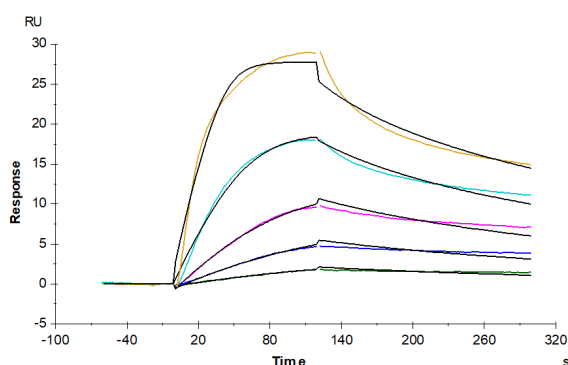
## Assay Data

### Tris-Bis PAGE



Mouse VLDLR on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SPR Data



Mouse VLDLR, His Tag immobilized on CM5 Chip can bind Mouse PCSK9, His Tag with an affinity constant of 0.28 nM as determined in SPR assay (Biacore T200).