

# Mouse VLDLR Protein, Ultra Low Endotoxin

Cat. No. VDR-MM101-UL



## 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 Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris 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>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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.

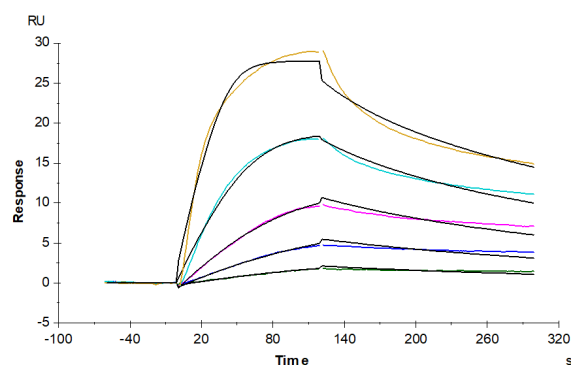
## Assay Data

### Bis-Tris PAGE



Mouse VLDLR on Bis-Tris 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).