

Datasheet for ABIN7275823

**VLDLR Protein (AA 28-797) (His tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	VLDLR
Protein Characteristics:	AA 28-797
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VLDLR protein is labelled with His tag.

## Product Details

Purpose:	Mouse VLDLR Protein
Sequence:	Gly28-Ser797
Characteristics:	Recombinant Mouse VLDLR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly28-Ser797.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 0.28 nM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

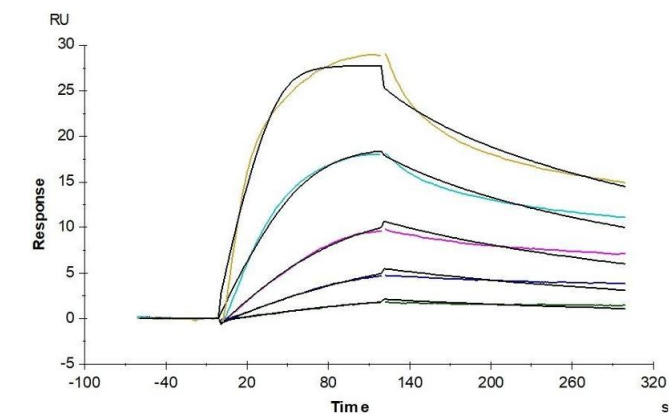
Target:	VLDLR
Alternative Name:	VLDLR ( <a href="#">VLDLR Products</a> )
Background:	VLDLR cerebellar hypoplasia (VLDLR-CH) is characterized by non-progressive congenital ataxia that is predominantly truncal and results in delayed ambulation, moderate-to-profound intellectual disability, dysarthria, 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.
Molecular Weight:	86.1 kDa. Due to glycosylation, the protein migrates to 110-130 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P98156</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a>

## Application Details

Restrictions:	For Research Use only
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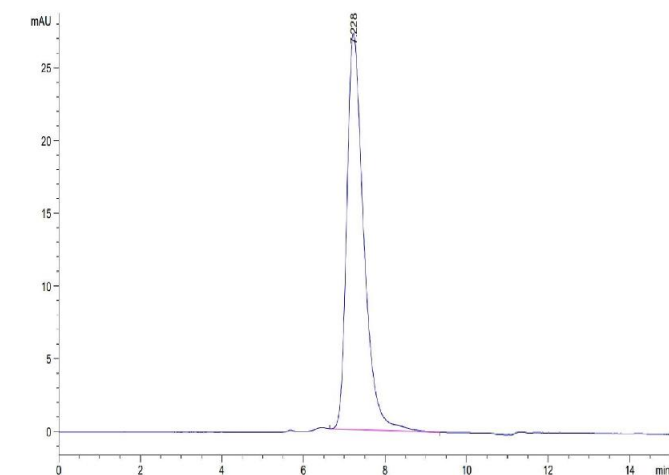
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months



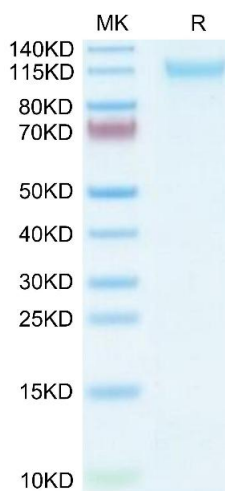
Surface Plasmon Resonance

**Image 1.** 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).



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse VLDLR is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

**Image 3.** Mouse VLDLR on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .