Datasheet for ABIN7275139

LDLR Protein (AA 22-788) (His-Avi Tag)

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	LDLR
Protein Characteristics:	AA 22-788
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LDLR protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human LDLR Protein
Sequence:	Ala22-Arg788
Characteristics:	Recombinant Human LDLR Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Ala22-Arg788.
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 0.35 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

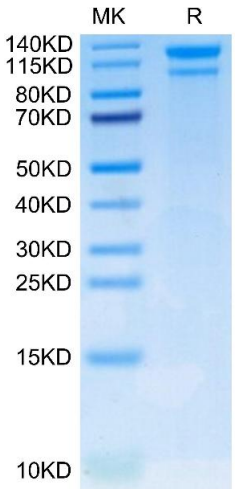
Target:	LDLR
Alternative Name:	LDLR (LDLR Products)
Background:	The low density lipoprotein receptor (LDLR) is the founding member of the LDL R family of widely expressed cell surface scavenger receptors. It is a cell-surface receptor that recognizes the apoprotein B100 which is embedded in the phospholipid outer layer of LDL particles.
Molecular Weight:	87.6 kDa, Due to glycosylation, the protein migrates to 110-130 kDa based on Tris-Bis PAGE result.
Pathways:	Hepatitis C, Lipid Metabolism

Application Details

Restrictions:	For Research Use only

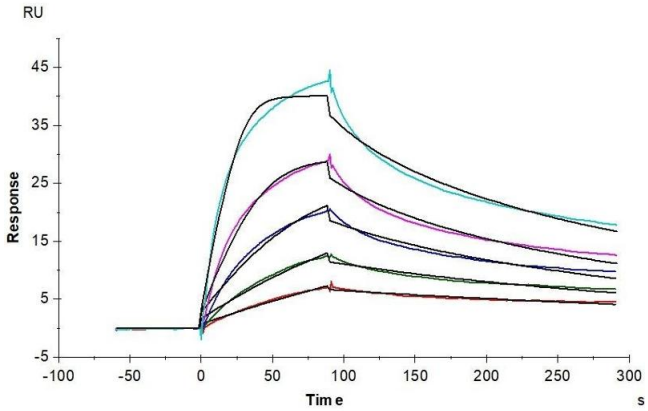
Handling

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



SDS-PAGE

Image 1. Human LDLR on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Surface Plasmon Resonance

Image 2. Human LDLR, His Tag immobilized on CM5 Chip can bind Human PCSK9, His Tag with an affinity constant of 0.35 nM as determined in SPR assay (Biacore T200).