

Datasheet for ABIN7275138  
**LDLR Protein (AA 22-788) (His tag)**

## 3 Images

[Go to Product page](#)

## Overview

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

## Product Details

Purpose:	Cynomolgus LDLR Protein
Sequence:	Ala22-Gly788
Characteristics:	Recombinant Cynomolgus LDLR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala22-Gly788.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 0.27 nM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

Target:	LDLR
Alternative Name:	LDLR ( <a href="#">LDLR Products</a> )
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:	86 kDa, Due to glycosylation, the protein migrates to 115-130 kDa based on Tris-Bis PAGE result.
NCBI Accession:	<a href="#">XP_005588053</a>
Pathways:	<a href="#">Hepatitis C</a> , <a href="#">Lipid Metabolism</a>

## Application Details

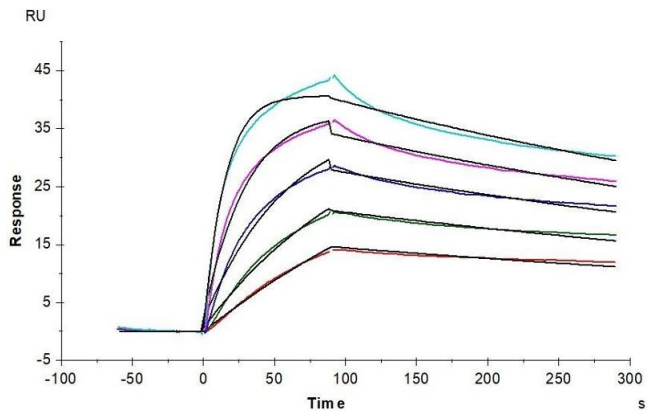
Restrictions:	For Research Use only
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## Handling

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

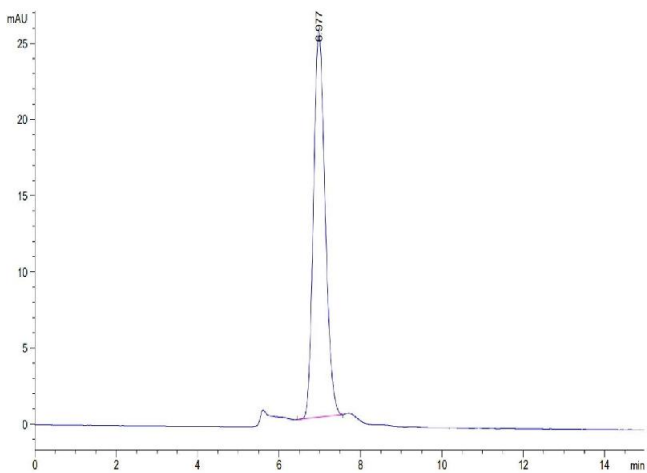
Surface Plasmon Resonance

**Image 1.** Cynomolgus LDLR, His Tag immobilized on CM5 Chip can bind Cynomolgus PCSK9, His Tag with an affinity constant of 0.27 nM as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

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



SDS-PAGE

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

