Datasheet for ABIN7491325

LDLR Protein (AA 22-788) (His tag)

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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 tag.

Product Details

Purpose:	Recombinant Human LDLR Protein with C-terminal 6xHis tag
Specificity:	LDLR (Ala22-Arg788) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	LDLR
Alternative Name:	LDLR (LDLR Products)
Background:	The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins

Target Details

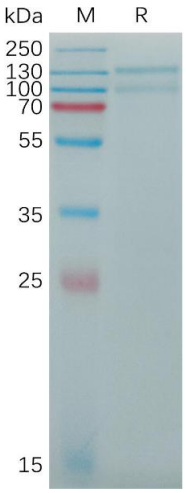
	involved in receptor-mediated endocytosis of specific ligands. Low density lipoprotein (LDL) is normally bound at the cell membrane and taken into the cell ending up in lysosomes where the protein is degraded and the cholesterol is made available for repression of microsomal enzyme 3-hydroxy-3-methylglutaryl coenzyme A (HMG CoA) reductase, the rate-limiting step in cholesterol synthesis. At the same time, a reciprocal stimulation of cholesterol ester synthesis takes place. Mutations in this gene cause the autosomal dominant disorder, familial hypercholesterolemia. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Sep 2010]
Molecular Weight:	predicted molecular mass of 85.6 kDa after removal of the signal peptide. The apparent molecular mass of LDLR-His is 100-130 kDa due to glycosylation.
UniProt:	P01130
Pathways:	Hepatitis C, Lipid Metabolism

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human LDLR Protein, His Tag on SDS-PAGE under reducing condition.