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## Datasheet for ABIN7490787 NPC1L1 Protein (His tag)

### Overview

Quantity:	100 µg
Target:	NPC1L1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NPC1L1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant human NPC1L1 protein with C-terminal 6xHis tag
Specificity:	NPC1L1 (Glu22-Ser284) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

### Target Details

Target:	NPC1L1
Alternative Name:	NPC1L1 ( <a href="#">NPC1L1 Products</a> )
Background:	<p>NPC1-like intracellular cholesterol transporter 1, Niemann-Pick C1-like protein 1</p> <p>Description: The protein encoded by this gene is a multi-pass membrane protein. It contains a conserved N-terminal Niemann-Pick C1 (NPC1) domain and a putative sterol-sensing domain (SSD) which includes a YQRL motif functioning as a plasma membrane to trans-Golgi network</p>

## Target Details

transport signal in other proteins. This protein takes up free cholesterol into cells through vesicular endocytosis and plays a critical role in the absorption of intestinal cholesterol. It also has the ability to transport alpha-tocopherol (vitamin E). The drug ezetimibe targets this protein and inhibits the absorption of intestinal cholesterol and alpha-tocopherol. In addition, this protein may play a critical role in regulating lipid metabolism. Polymorphic variations in this gene are associated with plasma total cholesterol and low-density lipoprotein cholesterol (LDL-C) levels and coronary heart disease (CHD) risk. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]

Molecular Weight: predicted molecular mass of 28.8 kDa after removal of the signal peptide. The apparent molecular mass of NPC1L1-His is 35-55 kDa due to glycosylation.

UniProt: [Q9UHC9](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: 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