

Datasheet for ABIN7317151

NPC1 Protein (His tag,DYKDDDDK Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	NPC1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NPC1 protein is labelled with His tag,DYKDDDDK Tag.

Product Details

Purpose:	Recombinant Human NPC1 Protein (His & FLAG Tag)
Sequence:	Arg372-Phe622
Characteristics:	A DNA sequence encoding the human NPC1 (NP_000262.2) (Arg372-Phe622) was expressed with a N-terminal polyhistidine-tagged FLAG tag at the N-terminus (his-FLAG).
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	NPC1
Alternative Name:	NPC1 (NPC1 Products)
Background:	Background: Niemann-Pick C1 (NPC1), a host receptor involved in the envelope glycoprotein (GP)-mediated entry of filoviruses into cells, is believed to be a major determinant of cell susceptibility to filovirus infection. Niemann-Pick C1 (NPC1), a membrane protein of lysosomes,

Target Details

is required for the export of cholesterol derived from receptor-mediated endocytosis of LDL. The NPC1 protein is a multipass transmembrane protein whose deficiency causes the autosomal recessive lipid storage disorder Niemann-Pick type C1. NPC1 localizes predominantly to late endosomes and has a dileucine motif located within a small cytoplasmic tail thought to target the protein to this location. Niemann-Pick disease Type C1 (NPC1) is a rare progressive neurodegenerative disorder caused by mutations in the NPC1 gene. On the cellular level NPC1 mutations lead to an accumulation of cholesterol and gangliosides.

Synonym: NPC

Molecular Weight: 32 kDa

NCBI Accession: [NP_000262](#)

Application Details

Restrictions: For Research Use only

Handling

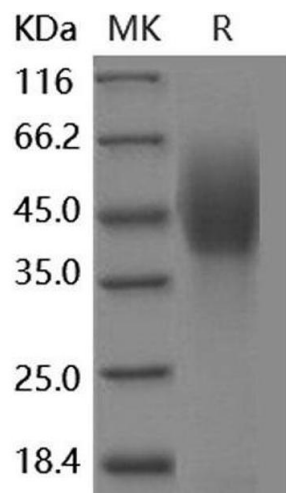
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.