

[Go to Product page](#)

Datasheet for ABIN7504484

NPC2 Protein (AA 20-151) (His tag)

Overview

Quantity:	100 µg
Target:	NPC2
Protein Characteristics:	AA 20-151
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NPC2 protein is labelled with His tag.

Product Details

Purpose:	Human NPC2 Protein
Sequence:	Glu20-Leu151
Characteristics:	Recombinant Human NPC2 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Glu20-Leu151.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	NPC2
Alternative Name:	NPC2 (NPC2 Products)

Target Details

Background:	The Niemann Pick type C (NPC) proteins, NPC1 and NPC2, are involved in the lysosomal storage disease, NPC disease. The formation of a NPC1-NPC2 protein-protein complex is believed to be necessary for the transfer of cholesterol and lipids out of the late endosomal (LE)/lysosomal (Lys) compartments. Mutations in either NPC1 or NPC2 can lead to an accumulation of cholesterol and lipids in the LE/Lys, the primary phenotype of the NPC disease.
Molecular Weight:	15.67 kDa. Due to glycosylation, the protein migrates to 21-24 kDa and 27-35 kDa kDa based on Tris-Bis PAGE result.
Pathways:	SARS-CoV-2 Protein Interactome

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 0.22 µm 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