

NPC1 recombinant protein

Human NPC1 Protein (His & DYKDDDDK Tag)

CATALOG #
AAA173516

HOST
Human Cells

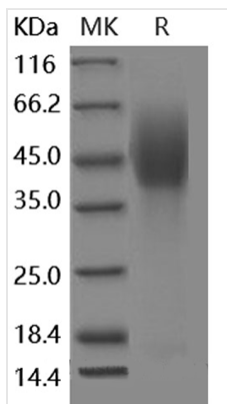
PRODUCT SYNONYMS

NPC1; Human NPC1 Protein (His & DYKDDDDK Tag); NPC1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	> 95 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol, 0.01% tween-80.
Sequence Length	1278
Expression Host	HEK293 Cells
Predicted N Terminal	His
Endotoxin	< 1.0 EU per mug protein as determined by the LAL method.
Tag	N-His & FLAG
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do no mix by vortex. It is recommended that sterile water (400 ?l) be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Ships on Blue Ice. 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° for up to 2-7 days. Aliquots of reconstituted samples are stable at < -20° for up to 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NPC1 recombinant protein	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, 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	255652944
NCBI GeneID	4864
NCBI Accession #	NP_000262.2
NCBI GenBank Nucleotide #	NM_000271.4
UniProt Accession #	O15118; Q9P130; B4DET3
NCBI Official Full Name	Niemann-Pick C1 protein
NCBI Official Synonym Full Names	NPC intracellular cholesterol transporter 1
NCBI Official Symbol	NPC1
NCBI Official Synonym Symbols	NPC
NCBI Protein Information	Niemann-Pick C1 protein
UniProt Protein Name	Niemann-Pick C1 protein
UniProt Gene Name	NPC1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.