

Datasheet for ABIN5711351
NPC2 Protein (AA 22-149) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	NPC2
Protein Characteristics:	AA 22-149
Origin:	Dog
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NPC2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	VHFKDCGSAV GVIKELNVNP CPAQPCKLHK GQSYSVNVTF TSNIPSQSSK AVVHGIVLGV AVPFPPIEAD GCKSGINCPI QKDKTYSYLN KLPVKNEYPS IKLVVQWMLL GDNNQHLCFW EIPVQIEG
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	NPC2
Alternative Name:	NPC2 (NPC2 Products)
Background:	Intracellular cholesterol transporter which acts in concert with NPC1 and plays an important role in the egress of cholesterol from the endosomal/lysosomal compartment. Both NPC1 and

Target Details

NPC2 function as the cellular 'tag team duo' (TTD) to catalyze the mobilization of cholesterol within the multivesicular environment of the late endosome (LE) to effect egress through the limiting bilayer of the LE. NPC2 binds unesterified cholesterol that has been released from LDLs in the lumen of the late endosomes/lysosomes and transfers it to the cholesterol-binding pocket of the N-terminal domain of NPC1. Cholesterol binds to NPC1 with the hydroxyl group buried in the binding pocket and is exported from the limiting mbrane of late endosomes/lysosomes to the ER and plasma mbrane by an unknown mechanism. The secreted form of NCP2 regulates biliary cholesterol secretion via stimulation of ABCG5/ABCG8-mediated cholesterol transport .

Molecular Weight: 18.1 kDa

UniProt: [Q28895](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

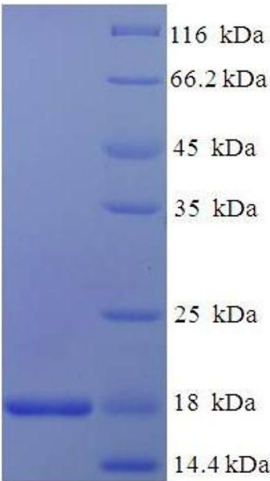
Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.