Niemann Pick C2/NPC2 Protein, Rat (HEK293, His)

Cat. No.:	HY-P74692
Synonyms:	NPC intracellular cholesterol transporter 2; Niemann-Pick disease type C2 protein; HE1
Species:	Rat
Source:	HEK293
Accession:	Q8CHN5 (E20-G149)
Gene ID:	/
Molecular Weight:	Approximately 19-22 kDa

PROPERTIES

AA Sequence	E P L H F K D C G S K V G V I K E V N V S P C P T Q P C Q L H K G Q S Y S V N V T F T S G T Q S Q N S T A L V H G I L A G V P V Y F P I P E P D G C K C G I N C P I Q K D K V Y S Y L N K L P V K S E Y P S L K L V V E W K L Q D D K K D N L F C W E I P V E I K G
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The Niemann-Pick C2/NPC2 Protein is a crucial member of the NPC2 family, playing a significant role in lipid metabolism and transport. As part of this family, NPC2 contributes to the regulation of cholesterol homeostasis and lipid trafficking within cells. Its involvement in cellular processes highlights its importance in maintaining cellular lipid balance. The protein's membership in the NPC2 family suggests shared functional characteristics within this protein family, potentially influencing lipid-related pathways and cellular functions. The study of NPC2 provides insights into the broader understanding of lipid transport and metabolism, emphasizing its relevance in cellular homeostasis and potential implications for disorders related to lipid dysregulation.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA