NXPH1 Protein, Human (HEK293, His)

Cat. No.:	HY-P71178
Synonyms:	Neurexophilin-1; NXPH1; NPH1
Species:	Human
Source:	HEK293
Accession:	P58417 (A22-G271)
Gene ID:	30010
Molecular Weight:	45-58 kDa

PROPERTIES

AA Sequence	A N L T N G G K S E L L K S G S S K S T L K H I W T E S S K D L S I S R L L S Q T F R G K E N D T D L D L R Y D T P E P Y S E Q D L W D W L R N S T D L Q E P R P R A K R R P I V K T G K F K K M F G W G D F H S N I K T V K L N L L I T G K I V D H G N G T F S V Y F R H N S T G Q G N V S V S L V P P T K I V E F D L A Q Q T V I D A K D S K S F N C R I E Y E K V D K A T K N T L C N Y D P S K T C Y Q E Q T Q S H V S W L C S K P F K V I C I Y I S F Y S T D Y K L V Q K V C P D Y N Y H S D T P Y F P S G
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
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 NXPH1 protein emerges as a potential signaling molecule resembling neuropeptides, likely exerting its actions through binding to alpha-neurexins and possibly other receptors. The precise mechanisms and specific downstream effects initiated by NXPH1 are yet to be fully elucidated, but its resemblance to neuropeptides suggests a potential role in modulating cellular signaling pathways. The interaction with alpha-neurexins and potentially other receptors implies a complex network of molecular communication, hinting at the versatility of NXPH1 in mediating cellular responses. The unique

characteristics of NXPH1 make it a subject of interest for further exploration to uncover its specific contributions to the intricate landscape of neuropeptide-like signaling within biological systems.

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