NXPH1 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P76526
Synonyms:	Neurexophilin-1; NXPH1; NPH1
Species:	Mouse
Source:	HEK293
Accession:	Q61200 (A22-G271)
Gene ID:	18231
Molecular Weight:	Approximately 40-55 kDa due to the glycosylation

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
Biological Activity	Measured in a competitive binding assay. When Neurexin-1 alpha is immobilized at 1 μg/mL (100 μL/well), Neurexophilin-1 inhibits binding of biotinylated Neurexophilin-1 (1 μg/mL). The IC_{50} for this effect is 0.09541 μg/mL.
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 NXPH1 protein appears to function as a signaling molecule sharing similarities with neuropeptides and serves as a ligand for alpha-neurexins. This suggests that NXPH1 may play a role in cellular signaling, potentially influencing neural

communication through its interaction with alpha-neurexins. The identification of NXPH1 as a ligand underscores its involvement in the intricate molecular processes associated with neuronal cell adhesion and suggests a pivotal role in modulating cellular functions within the context of neurobiology. Further investigation into the specific mechanisms and downstream effects of NXPH1's interactions with alpha-neurexins could enhance our understanding of its functional significance in neural signaling pathways.

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