

## NXPH1 Protein, Rat (HEK293, His)

Cat. No.:	HY-P77110
Synonyms:	Neurexophilin-1; NXPH1; NPH1
Species:	Rat
Source:	HEK293
Accession:	Q63366 (A22-G271)
Gene ID:	25501
Molecular Weight:	Approximately 43-55 kDa due to the glycosylation

### PROPERTIES

AA Sequence	<p> A N L T N G G K S E    L L K S G N 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 G 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 </p>
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 <sub>50</sub> for this effect is 0.1095 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.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. 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 with characteristics reminiscent of neuropeptides. It is identified as a ligand for alpha-neurexins, suggesting a role in mediating cellular signaling through interactions with these
------------	--

---

neuronal cell adhesion proteins. The potential implication of NXPH1 as a signaling entity underscores its significance in neural communication and hints at its involvement in modulating cellular processes through interactions with alpha-neurexins. Further exploration of the specific mechanisms and downstream effects of NXPH1's interactions with alpha-neurexins could provide valuable insights into its role within the broader context of neurobiology.

---

**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](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA