

---

## Product Data Sheet

---

Product Name: NXPH1 Human, Sf9  
 Cat. No.: GP24086  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NXPH1; Nbla00697; NPH1 ; Neurexophilin-1; Neurexophilin 1.		
Amino Acid Sequence	ADPANLTNGG KSELLKSGSS KSTLKHIIWTE SSKDLSISRL LSQTFRGKEN DTDLDLRYDT PEPYSEQDLW DWLRNSTDLQ EPRPRAKRRP IVKTGKFKKM FGWGDHFSNI KTVKLNLLIT GKIVDHGNGT FSVYFRHNST GQGNVSVSLV PPTKIVEFDL AQQTVIDAKD SKSFNCRIEY EKVDKATKNT LCNYPSPKTC YQEQTQSHVS WLCSKPFKVI CIYISFYSTD YKLVQKVCPD YNYHSDTPYF PSGHHHHHH.		
Formulation	NXPH1 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

### Introduction

Neurexophilin 1 (NXPH1) is a part of the neurexophilin family which encodes a secreted protein with a variable N terminal domain, an extremely conserved, N-glycosylated central domain, a short linker region, and a cysteine-rich Cterminal domain. NXPH1 shapes a very tight complex with alpha neurexins, a group of proteins which promote adhesion among dendrites and axons.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

NXPH1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 259 amino acids (22-271) and having a molecular mass of 29.7kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). NXPH1 is

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

---

## Product Data Sheet

---

fused to 9 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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

***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***

***Address: 10292 Central Ave. #205, Montclair, CA, USA***