NKMAXBio we support you, we believe in your research Recombinant human Neurexophilin-1/NXPH-1 protein Catalog Number: ATGP2539

## **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 22-271aa

**UniProt No.** P58417

NCBI Accession No. NP\_689958

Alternative Names neurexophilin-1 precursor, neurexophilin-1 precursor, Nbla00697, NPH1

# **PRODUCT SPECIFICATION**

Molecular Weight 31kDa (273aa)

**Concentration** 0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag His-Tag

Application SDS-PAGE, Denatured

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

### BACKGROUND

## Description

NXPH1 is a member of the neurexophilin family and encodes a secreted protein with a variable N-terminal domain, a highly conserved, N-glycosylated central domain, a short linker region, and a cysteine-rich C-terminal domain. This protein forms a very tight complex with alpha neurexins, a group of proteins that promote adhesion between dendrites and axons. Recombinant human NXPH1 protein, fused to His-tag at N-terminus, was expressed in E. coli.



#### **Amino acid Sequence**

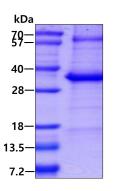
<MGSSHHHHHH SSGLVPRGSH MGS>ANLTNGG KSELLKSGSS KSTLKHIWTE SSKDLSISRL LSQTFRGKEN DTDLDLRYDT PEPYSEQDLW DWLRNSTDLQ EPRPRAKRRP IVKTGKFKKM FGWGDFHSNI KTVKLNLLIT GKIVDHGNGT FSVYFRHNST GQGNVSVSLV PPTKIVEFDL AQQTVIDAKD SKSFNCRIEY EKVDKATKNT LCNYDPSKTC YQEQTQSHVS WLCSKPFKVI CIYISFYSTD YKLVQKVCPD YNYHSDTPYF PSG

### **General References**

Faryna, M., et al. (2012) FASEB J. 26 (12), 4937-4950 Frazier-Wood, A.C., et al. (2012) Pharmacogenet. Genomics 22 (10), 750-757

### DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

