

# Recombinant human Neurexophilin-1/NXPH-1 protein

Catalog Number: ATGP2539

## PRODUCT INFORMATION

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### 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

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### 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

> 90% 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

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### 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.

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## Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSANLTNGG KSELLKSGSS KSTLKHIIWTE SSKDLSISRL LSQTFRGKEN DTDLDLRYDT  
PEPYSEQDLW DWLRNSTDLQ EPRPRAKRRP IVKTGKFKKM FGWGFHSNI KTVKLNLLIT GKIVDHGNGT FSVYFRHNST  
GQGNVSVSLV PPTKIVEFDL AQQTVIDAKD SKSFNCRIEY EKVDKATKNT LCNYDPSKTC YQEQTQSHVS WLCSKPFKVI  
CIYISFYSTD YKLVQKVCPD YNYHSDTPYF PSG

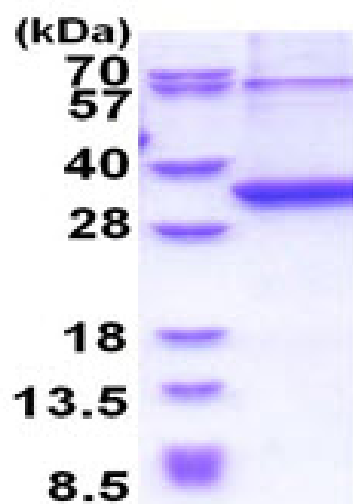
## General References

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.

15% SDS-PAGE (3ug)