

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

> 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

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 KSTLKHIWTE SSKDLSISRL LSQTFRGKEN DTDLDLRYDT
PEPYSEQDLW DWLRNSTDQ EPRPRAKRRP IVKTGKFKKM FGWGFHSNI KTVKLNLLIT GKIVDHGNGT FSVYFRHNST
GQGNVSVSLV PPTKIVEFDL AQQTVIDAKD SKSFNCRIEY EKVDKATKNT LCNYDPSKTC YQEQTQSHVS WLCSKPFKVI
CIYISFYSTD YKLVQKVCPD YNYHSDTPYF PSG

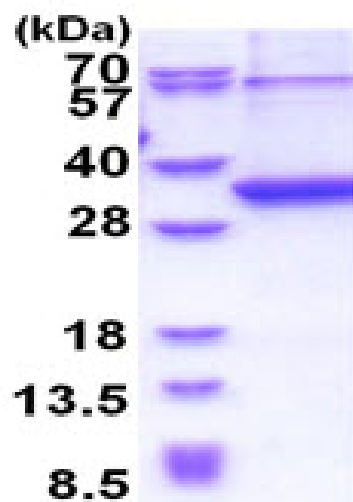
General References

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)