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.

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Amino acid Sequence

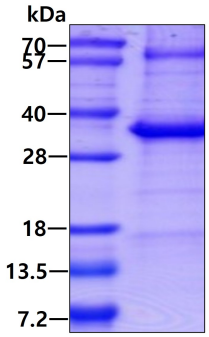
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General References

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.