

NXPH1, 22-271aa, Human, His-tag, Baculovirus

Cat.NO.: TP03236

3th Edition

Synonyms:Neurexophilin-1, NXPH1, Nbla00697, NPH1

Description:NXPH1, also known as Neurexophilin-1, is one of at least four vertebrate neuropeptide-like secreted glycoproteins in the neurexophilin family. It 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. Genetic deletion of NXPH1 and/or NXPH-3 produces no anatomical effect, although mice lacking NXPH-3 show defects in motor coordination. Recombinant human NXPH1 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:29.7kDa (259aa) 28-40KDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPANLTNGGKSELLKSGSSKSTLKHIVTESSKDLISRLLSQTFRGKENDTDLDLRYDTPEPYSEQDLWDWLRNS
TDLQEPRPRAKRRPIVKTGKFKKMFGWGDFHSNIKTVKNLLITGKIVDHGNGTFSVYFRHNSTGQGNVSVSLVPPT
KIVEFDLAQQTVIDAKDSKSFNCRIEYKVDKATKNTLCNYDPSKTCYQEQTQSHVSWLCSKPFKVICIYISFYSTDY
KLVQKVCPTYNYHSDTPYFPSGHHHHHH

Purity:> 95% by HPLC

Concentration:17 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.