

Recombinant Human NXPH1 protein, His-tagged

Cat. No. NXPH1-85H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NXPH1(Ala22-Gly271) fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-271 a.a.
Description	Neurexophilin-1 (NXPH1) is a member of Neurexophilin family. NXPH1 consist of 271 amino acids. It contains a 21 amino acid signal peptide, 86 amino acid propeptide, and 164 amino acid mature protein. NXPH1 is expressed in subpopulations of neurons within the cerebral cortex, cerebellum and olfactory bulb that are thought to be inhibitory interneurons. In humans, NXPH2 and NXPH3 are most similar to NXPH1, sharing 84% and 64% aa identity within the mature region, respectively. By contrast, NXPH4 does not bind α-neurexins. Genetic deletion of NXPH1 or NXPH3 produces no anatomical effect.
Form	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
AA Sequence	ANLTNGGKSELLKSGSSKSTLKHIWTESSKDLSISRLLSQTFRGKENDTDLDLRYDTP EPYSEQD LWDWLRNSTDLQEPRPRAKRRPIVKTGKFKKMFGWGDFHSNIKTVKLN LLITGKIVDHGNGTFSV YFRHNSTGQGNVSVSLVPPTKIVEFDLAQQTVIDAKDSKSF NCRIEYKVDKATKNTLCNYDPSK TCYQEQTQSHVSWLCSKPFKVICYISFYSTDY KLVQKVC PDYNYHSDTPYFSPSGVDHHHHHH

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Endotoxin	Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	NXPH1 neurexophilin 1 [Homo sapiens]
Official Symbol	NXPH1
Synonyms	NXPH1; neurexophilin 1; neurexophilin-1; NPH1; Nbla00697;
Gene ID	30010
mRNA Refseq	NM_152745
Protein Refseq	NP_689958
MIM	604639
UniProt ID	P58417

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