

Active Recombinant Human Neurexophilin 1, His-tagged

Cat. No. NXPH1-056H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NXPH1 protein was expressed in Murine myeloma cell line with a C-terminal 6-His tag. Ala22-Gly271.
Species	Human
Source	Mammalian Cells
Protein Length	22-271 a.a.
Description	NXPH1 is one of at least four vertebrate neuropeptide-like secreted glycoproteins in the neurexophilin family. The 271 amino acid (aa) NXPH1 sequence contains a 21 aa signal peptide, an 86 aa propeptide that is cleaved at a basic motif, and a 164 aa mature protein that contains three potential N-glycosylation sites in the N-terminal portion and six conserved cysteines in the C-terminal portion. Mature human NXPH1 shares 99% aa identity with mouse, rat, equine, bovine and canine NXPH1.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
N-terminal Sequence	Ala22
Molecular Weight	29.4 kDa
Activity	Measured in a competitive binding assay. When rrNXPH1α is immobilized at 1 µg/mL (100 µL/well), rhNXPH1 inhibits 50% binding of biotinylated rrNXPH1 (250 ng/mL) at the concentration range of 1-3 µg/mL.

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Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
SDS-PAGE	40-60kDa, reducing conditions
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	NXPH1 neurexophilin 1 [Homosapiens]
Official Symbol	NXPH1
Synonyms	NXPH1; neurexophilin1; NPH1; Nbla00697; neurexophilin-1; OTTHUMP00000200862
Gene ID	30010
mRNA Refseq	NM_152745
Protein Refseq	NP_689958
MIM	604639
UniProt ID	P58417

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Chromosome Location	7p22
Function	receptor binding