

## 32-7448: Recombinant Human Neurexophilin-1/NXPH1 (C-6His)

**Gene :** NXPH1  
**Gene ID :** 30010  
**Uniprot ID :** P58417

### Description

Source: Human Cells.  
MW :29.67kD.

Recombinant Human Neurexophilin-1 is produced by our Mammalian expression system and the target gene encoding Ala22-Gly271 is expressed with a 6His tag at the C-terminus. 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 a-neurexins. Genetic deletion of NXPH1 or NXPH3 produces no anatomical effect.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** ANLTNGGKSELLKSGSSKSTLKHIIWTESSKDLSISRLLSQTRGKENDTDLRLRYDTPEPYSEQDLWDWLRNSTDLQEP RPRAKRRPIVKTGKFKMFGWGDFHSNIKTVKLNLLITGKIVDHGNGTFSVYFRHNSTGQGNVSVSLVPTKIVEFDLAQQTVIDAKDSKSFNCRIEYKVDKATKNTLCNYDPSKTCYQEQTQSHVSWLCSKPFKVICIYISFYSTDYKLVQKVC PDYNYHSDTPYFSPGVDHHHHHH

### Application Note

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 ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.