

**Recombinant Human Neurexophilin-1/NXPH1 Protein(C-6His)**

**Cat.NO.: TP05247**

3th Edition

**Synonyms:**Neurexophilin-1; NXPH1; NPH1

**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  $\alpha$ -neurexins. Genetic deletion of NXPH1 or NXPH3 produces no anatomical effect.

**Form:**PBS

**Molecular Weight:**29.7 kDa

**Sequences:**Ala22-Gly271

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1  $\mu$ g 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.