



Recombinant Protein Technical Manual
Recombinant Human Neurexophilin/NXPH1 Protein
(His Tag)
RPES0221

Product Data:

Product SKU: RPES0221

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P58417

Protein Information:

Molecular Mass: 29.7 kDa

AP Molecular Mass: 30-45 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Neurexophilin; NXPH1; NPH1

Immunogen Information:

Sequence: Ala22-Gly271

Background:

Neurexophilin (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.