

37-1192: Mouse Neurexophilin-1 / NXPH1 Recombinant Protein (His Tag)(Discontinued)

Reactivity : Mouse

Alternative Name : C130005L03Rik Protein, Mouse

Description

Source : HEK293 Cells

Neurexophilin-1, or NXPH1 is a secreted glycoprotein, which belongs to the Neurexophilin family. The Neurexophilin family contain at least four genes and resembles a neuropeptide, suggesting a function as an endogenous ligand for alpha-neurexins. The mammalian brains contain four genes for neurexophilins the products of which share a common structure composed of five domains: an N-terminal signal peptide, a variable N-terminal domain, a highly conserved central domain that is N-glycosylated, a short linker region, and a conserved C-terminal domain that is cysteine-rich. Neurexophilin-1 constitutes a secreted cysteine-rich glycoprotein, forms a very tight complex with alpha neurexins, a group of proteins that promote adhesion between dendrites and axons. Neurexophilins 1 and 3 but not 4 (neurexophilin 2 is not expressed in rodents) bind to a single individual LNS domain, the second overall LNS domain in all three alpha-neurexins.

Product Info

Amount : 1 / NXPH1 Recombinant Protein (His Tag)(Discontinued) / 100 µg

Purification : > 85 % as determined by SDS-PAGE

Content : Formulation Lyophilized from sterile PBS, pH 7.4
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Storage condition : Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Amino Acid : Ala22-Gly271

Application Note

Endotoxin :< 1.0 EU per Åµg of the protein as determined by the LAL method.

Other pack size also available.

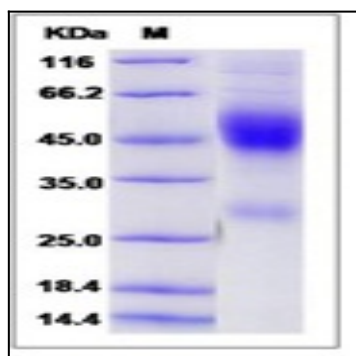


Fig 1: Mouse Neurexophilin-1 / NXPH1 Recombinant Protein (His Tag)