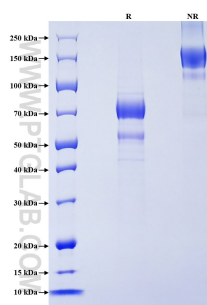


Recombinant Rat NXPH1 protein (mFc Tag)

Catalog Number: Eg3227

Basic Information	Species: Rat	Purity: >90 %, SDS-PAGE	Tag: mFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Rat NXPH1 protein Ala22-Gly271 (Accession# Q63366) with a mouse IgG Fc tag at the C-terminus. GeneID: 25501 Accession: Q63366 Predicted Molecular Mass: 55.2 kDa SDS-PAGE: 68-85 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Neurexophilin-1 (NXPH1) is a secretory protein that belongs to the Neurexophilin family. NXPH1 is known to code for a neuronal glycoprotein that binds to α-neurexin to regulate neuronal function, neurotransmission, signalization and various cell interactions. NXPH1 expression is enriched in adrenal gland and brain. NXPH1 has also been identified as a novel biomarker for the prognosis of neuroblastoma, and for the diagnosis of low-grade breast cancer.		
References	1. Vallée Marcotte B. et al. (2017) Int J Mol Sci. 18(2):257. 2. Fanlo L. et al. (2023) Oncogene. 42(28):2218-2233. 3. Sun Z. et al. (2024) J Gastrointest Oncol. 15(2):641-667.		
Synonyms	Neurexophilin-1, Neurophilin		

Selected Validation Data



Purity of Recombinant Rat NXPH1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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