



Certificate of Analysis

NXPH1 Protein, Rat (HEK293, His)

Cat. No.:	HY-P77110
Batch No.:	358193
Species:	Rat
Source:	HEK293
Tag:	C-6*His
Accession:	Q63366 (A22-G271)
Gene ID:	25501
Molecular Weight:	Approximately 43-55 kDa due to the glycosylation

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE	≥90.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a competitive binding assay. When Neurexin-1 alpha is immobilized at 1 μg/mL (100 μL/well), Neurexophilin-1 inhibits binding of biotinylated Neurexophilin-1 (1 μg/mL). The IC ₅₀ for this effect is 0.1095 μg/mL.	0.1095 μg/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

Caution: Product has not been fully validated for medical applications. For research use only.

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