
Product Data Sheet

Product Name: NXPH1 Human
 Cat. No.: GP24085
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Nbla00697; NPH1; Neurexophilin-1; NXPH1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSANLTNGG KSELLKSGSS KSTLKHIWTE SSKDLSISRL LSQTRFGKEN DTDLDLRYDT PEPYSEQDLW DWLRNSTDLQ EPRPRAKRRP IVKTGKFKKM FGWGDHFSNI KTVKLNLLIT GKIVDHGNGT FSVYFRHNST GQGNVSVSLV PPTKIVEFDL AQQTVIDAKD SKSFNCRIEY EKVDKATKNT LCNYPDSKTC YQEQTQSHVS WLCSKPFKVI CIYISFYSTD YKLVQKVCPD YNYHSDTPYF PSG.		
Formulation	The NXPH1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

Introduction

Neurexophilin 1 (NXPH1) is a part of the neurexophilin family which encodes a secreted protein with a variable N terminal domain, an extremely conserved, N-glycosylated central domain, a short linker region, and a cysteine-rich Cterminal domain. NXPH1 shapes a very tight complex with alpha neurexins, a group of proteins which promote adhesion among dendrites and axons.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NXPH1 Human Recombinant produced in E. coli is a single polypeptide chain containing 273 amino acids (22-271) and having a molecular mass of 31kDa. NXPH1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic

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

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