

AR51359PU-S**Human Neurexophilin-1 (22-271, His-tag) - Purified****Alternate names:**

NPH1, NXP1

Quantity:

0.1 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

NXP1 is a member of the neurexophilin family and encodes a secreted protein with a variable N-terminal domain, a highly conserved, N-glycosylated central domain, a short linker region, and a cysteine-rich C-terminal domain. This protein forms a very tight complex with alpha neurexins, a group of proteins that promote adhesion between dendrites and axons.

Uniprot ID:[P58417](#)**NCBI:**[NP_689958](#)**GeneID:**[30010](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol**Description:**

Recombinant human NXP1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSANLTNGG KSELLKSGSS KSTLKHITWE SSKDLSISRL
LSQTFRGKEN DTDLDLRYDT PEPYSEQDLW DWLRNSTDLQ EPRPRAKRRP IVKTGKFKKM
FGWGDFHSNI KTVKLNLLIT GKIVDHGNGT FSVYFRHNST GQGNVSVSLV PPTKIVEFDL
AQQTVIDAKD SKSFNCRIEY EKVDKATKNT LCNYDPSKTC YQEQTQSHVS WLCSKPPFKVI
CIYISFYSTD YKLVQKPCPD YNYHSDTPYF PSG

Molecular weight: 31.0 kDa (273aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Faryna, M., et al. (2012) FASEB J. 26 (12), 4937-4950

Frazier-Wood, A.C., et al. (2012) Pharmacogenet. Genomics 22 (10), 750-757

Pictures:

