

Recombinant Human Syntaphilin, His-tagged

Cat. No. SNPH-306H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Syntaphilin protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (444 aa, 48.2 kDa).
Species	Human
Source	E.coli
Description	Syntaphilin is a neuron-specific protein initially characterized as a binding partner of syntaxin-1. The protein competes with SNAP-25 for binding to syntaxin-1 and prevents the formation of the SNARE core complex, thereby controlling free syntaxin-1 availability for the assembly of the SNARE complex and potentially regulating synaptic vesicle exocytosis.
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10 % glycerol.
Molecular Weight	48.2 KDa (444 aa).
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequence	MGSSHHHHHH SSGLVPRGSH MAMSLPGSRR TSAGSRRRTS PPVSVRDAYG TSSLSSSSNS GSYKGSDDSP TPRRSMKYTL CSDNHGIKPP TPEQYLTPLQ QKEVCIRHLK ARLKDTQDRL QDRDTEIDDL KTQLSRMQED WIEEECHRV

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AQLALKEARK EIKQLKQVID TVKNNLIDKD KGLQKYFVDI NIQNKKLET
 LHSMEVAQNG MAKEDGTGES AGGSPARSLT RSSTYTKLSD PAVCGDRQPG
 DPSSGSAEDG AD SGFAAADD TLSRTDALEA SLLSSGVDC GTEETSLHSS
 FGLGPRFPAS NTYEKLLCGM EAGVQASCMQ ERAIQTDVQ YQPDLDTILE
 KVTQAQVCGT DPESGDRCPE LDAHPSGPRD PNSAVVTVG DELEAPEPIT
 RGPTPQRPGA NPNPGQSVSV VCPMEEEEEEA AVAEKEPKSY WSRH

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

SNPH

Synonyms

SNPH; Syntaphilin; KIAA0374; MGC46096; bA314N13.5; syntaphilin;
 OTTHUMP00000070985.

Gene ID

9751

mRNA Refseq

NM_014723.2

Protein Refseq

NP_055538.2

MIM

604942

UniProt ID

Q8IYI3

**Chromosome
Location**

20p13

Function

syntaxin-1 binding.

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