

## Recombinant Human Syntaphilin, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Formulation</b>	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10 % glycerol.
<b>Molecular Weight</b>	48.2 KDa (444 aa).
<b>Purity</b>	> 90% by SDS – PAGE.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay).
<b>Sequence</b>	MGSSHHHHHH SSGLVPRGSH MAMSLPGSRR TSAGSRRRTS PPVSVRDAYG TSSLSSSSNS GSYKGS DSSP TPRRSMKYTL CSDNHGIKPP TPEQYLTPLQ QKEVCIRHLK ARLKDTQDRL QDRDTEIDDL KTQLSRMQED WIEEECHRVE

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AQLALKEARK EIKQLKQVID TVKNNLIDKD KGLQKYFVDI NIQNKKLETL  
 LHSMEVAQNG MAKEDGTGES AGGSPARSLT RSSTYTKLSD PAVCGDRQPG  
 DPSSGSAEDG AD SGFAAADD TLSRTDALEA SLLSSGVDC GTEETSLHSS  
 FGLGPRFPAS NTYEKLLCGM EAGVQASCMQ ERAIQTDFVQ YQPDLDTILE  
 KVTQAQVCGT DPESGDRCPD LDAHPSGPRD PNSAVVVTVG DELEAPEPIT  
 RGPTPQRPGA NPNPGQSVSV VCPMEEEEEA 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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