

## 32-4892: Recombinant Human Syntaphilin

**Alternative Name :** KIAA0374,MGC46096,bA314N13.5,SNPH,Syntaphilin.

### Description

Source : Escherichia Coli. SNPH Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 444 amino acids (1-424) and having a molecular mass of 48.2 kDa. The SNPH is fused to 20 amino acid His-Tag at N-terminus and purified by standard chromatography techniques. Syntaxin-1, synaptobrevin, and SNAP25 cooperate to form the SNARE complex, which is needed for synaptic vesicle docking and fusion. SNPH is a neuron-specific protein originally characterized as a binding partner of syntaxin-1. SNPH participates with SNAP25 for the binding to Syntaxin-1 and prevents the construction of the SNARE core complex, thus managing free syntaxin-1 availability for the assembly of the SNARE complex and potentially regulating synaptic vesicle exocytosis. Expression Syntaphilin appears to be brain-specific. SNPH is an inhibitor of both SNARE-based fusion and dynamin-mediated endocytosis.

### Product Info

**Amount :** 50 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** The Syntaphilin protein solution contains 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.

**Storage condition :** SNPH although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MAMSLPGSRR TSAGSRRRTS PPVSVRDAYG TSSLSSSSNS  
GSYKGSDDSSP TPRRSMKYTL CSDNHGPKPTPEQYLTPLQ QKEVCIRHLK ARLKDTQDRL QDRDTEIDDL  
KTQLSRMQED WIEEECHRVE AQLALKEARK EIKQLKQVID TVKNNLIDKDKGLQKYFVDI NIQNKLETL  
LHSMEVAQNG MAKEDGTGES AGGSPARSLT RSSTYTKLSD PAVCGDRQPG DPSSGSAEDG  
ADSGFAAADTLRRTDALEA SLLSSGVDC GTEETSLHSS FGLGPRFPAS NTYEKLLCGM EAGVQASCMQ  
ERAIQDFVQ YQPDLDLILE KVTQAQVCGTDPESGDRCPD LDAHPSGPRD PNSAVVTVG DELEAPEPIT  
RGPTPQRPGA NPNPGQSVSV VCPMEEEEEA AVAEKEPKSY WSRH.

