

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

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| 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 GSYKGSDDSP TPRRSMKYTL CSDNHGPKPTPEQYLTPQL QKEVCIRHLK ARLKDTQDRL QDRDTEIDDL KTQLSRMQED WIEEECHRV E AQLALKEARK EIKQLKQVID TVKNNLIDKDKGLQKYFVDI NIQNKKLET LHSMVAQNG MAKEDGTGES AGGSPARSLT RSSTYTKLSD PAVCGDRQPG DPSSGSAEDG ADSGFAAADTLRSTDALEA SSLLSSGVDC GTEETSLHSS FGLGPRFPAS NTYEKLLCGM EAGVQASCMQ ERAIQTDFVQ YQPDLDILE KVTQAQVCGTDPESGDRCP E LDAHPSGPRD PNSAVVTVG DELEAPEPIT RGPTPQRPGA NPNPGQSVSV VCPMEEEEE AVAEKEPKSY WSRH. |

