
Syntaphilin, 1-424aa, Human, His tagged, Recombinant, E.coli

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3th Edition

Synonyms:SNPH, Syntaphilin, KIAA0374.

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. Recombinant Syntaphilin protein was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10 % glycerol

Molecular Weight:48.2 KDa (444 aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMAMSLPGSRRTSAGSRRRTSPPVSVRDAYGTSSLSSSSNSGSYKGS DSSPTPR
RSMKYTLCS DNHG IKPPTPEQYL TPLQQKEVCIRHLKARLKDTQDRLQDRDTEIDDLKTQLSRMQEDWIEEECHR
EAQLALKEARKEIKQLKQVIDTVKNNLIDKDKGLQKYFVDINIQNKKLETLLHSMEVAQNGMAKEDGTGESAGGSPA
RSLTRSSTYTKLSDPAVCGDRQPGDPSSGSAEDGADSGFAAADTTLRSTDALEASSLLSSGVDCGTEETSLHSSF
GLGPRFPASNTYEKLLCGMEAGVQASCMQERAIQTDFVQYQPDLDTILEKVTQAQVCGTDPESGDRCP ELDAHPS
GPRDPNSAVVVTVGDELEAPEPITRGPTQRPGANPNPGQSVSVVCPMEEEEEAAVAEKEPKSYWSRH

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.