9051 Mira Mesa Blvd, #910094
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SNPH Human

Syntaphilin Human Recombinant
RCP2160

Product Overview

Name	SNPH Human
Description	
Syntaphilin Human Recombinant	
Accession (Primary)	O15079
Synonyms	
KIAA0374, MGC46096, bA314N13.5, SNPH, Syntaphilin.	
Introduction	
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 manageling 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The Syntaphilin protein solution contains 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MAMSLPGSRR TSAGSRRRTS PPVSVRDAYG TSSLSSSSNS GSYKGSDSSP TPRRSMKYTL CSDNHGIKPPTPEQYLTPLQ QKEVCIRHLK ARLKDTQDRL QDRDTEIDDL KTQLSRMQED WIEEECHRVE AQLALKEARK EIKQLKQVID TVKNNLIDKDKGLQKYFVDI NIQNKKLETL LHSMEVAQNG	

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MAKEDGTGES AGGSPARSLT RSSTYTKLSD PAVCGDRQPG DPSSGSAEDG ADSGFAAADD TLSRTDALEA SSLLSSGVDC GTEETSLHSS FGLGPRFPAS NTYEKLLCGM EAGVQASCMQ ERAIQTDFVQ YQPDLDTILE KVTQAQVCGTDPESGDRCPE LDAHPSGPRD PNSAVVVTVG DELEAPEPIT RGPTPQRPGA NPNPGQSVSV VCPMEEEEEA AVAEKEPKSY WSRH.

Precautions

SNPH Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O15079)