Recombinant Full Length Human SYNJ2 Protein, C-Flag-tagged

Cat. No. SYNJ2-1521HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SYNJ2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The gene is a member of the inositol-polyphosphate 5-phosphatase family. The encoded protein interacts with the ras-related C3 botulinum toxin substrate 1, which causes translocation of the encoded protein to the plasma membrane where it inhibits clathrin-mediated endocytosis. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	165.4 kDa
AA Sequence	MALSKGLRLLGRLGAEGDCSVLLEARGRDDCLLFEAGTVATLAPEEKEVIKGQYGKL TDAYGCLGELRLK SGGTSLSFLVLVTGCTSVGRIPDAEIYKITATDFYPLQEEAKEEE RLIALKKILSSGVFYFSWPNDGSRF DLTVRTQKQGDDSSEWGNSFFWNQLLHVPLR QHQVSCCDWLLKIICGVVTIRTVYASHKQAKACLVSRVS CERTGTRFHTRGVNDDG HVSNFVETEQMIYMDDGVSSFVQIRGSVPLFWEQPGLQVGSHHLRLHRGLEAN AP AFDRHMVLLKEQYGQQVVVNLLGSRGGEEVLNRAFKKLLWASCHAGDTPMINFDF HQFAKGGKLEKLE TLLRPQLKLHWEDFDVFTKGENVSPRFQKGTLRMNCLDCLDR

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	TNTVQSFIALEVLHLQLKTLGLSSKPIV DRFVESFKAMWSLNGHSLSKVFTGSRALE GKAKVGKLKDGARSMSRTIQSNFFDGVKQEAIKLLLVGDVY GEEVADKGGMLLDST ALLVTPRILKAMTERQSEFTNFKRIRIAMGTWNVNGGKQFRSNVLRTAELTDWLL DS PQLSGATDSQDDSSPADIFAVGFEEMVELSAGNIVNASTTNKKMWGEQLQKAISRS HRYILLTSAQLV GVCLYIFVRPYHVPFIRDVAIDTVKTGMGGKAGNKGAVGIRFQFHS TSFCFICSHLTAGQSQVKERNEDY KEITQKLCFPMGRNVFSHDYVFWCGDFNYRID LTYEEVFYFVKRQDWKKLLEFDQLQLQKSSGKIFKDFH EGAINFGPTYKYDVGSAA YDTSDKCRTPAWTDRVLWWRKKHPFDKTAGELNLLDSDLDVDTKVRHTWSPG AL QYYGRAELQASDHRPVLAIVEVEVQEVDVGARERVFQEVSSFQGPLDATVVVNLQS PTLEEKNEFPED LRTELMQTLGSYGTIVLVRINQGQMLVTFADSHSALSVLDVDGMK VKGRAVKIRPKTKDWLKGLREEIIR KRDSMAPVSPTANSCLLEENFDFTSLDYESEG DILEDDEDYLVDEFNQPGVSDSELGGDDLSDVPGPTAL APPSKSPALTKKKQHPTY KDDADLVELKRELEAVGEFRHRSPSRSLSVPNRPRPPQPPQRPPPPTGLMVK KSA SDASISSGTHGQYSILQTARLLPGAPQQPPKARTGISKPYNVKQIKTTNAQEAEAAIR CLLEARGGA SEEALSAVAPRDLEASSEPEPTPGAAKPETPQAPPLLPRRPPPRVPAI KKPTLRRTGKPLSPEEQFEQQT VHFTIGPPETSVEAPPVVTAPRVPPVPKPRTFQP GKAAERPSHRKPASDEAPPGAGASVPPPLEAPPLVP KVPPRRKKSAPAAFHLQVL QSNSQLLQGLTYNSSDSPSGHPPAAGTVFPQGDFLSTSSATSPDSDGTKAM KPEA APLLGDYQDPFWNLLHHPKLLNNTWLSKSSDPLDSGTRSPKRDPIDPVSAGASAAK AELPPDHGHK TLGHWVTISDQEKRTALQVFDPLAKTSGPTRTRRLEQKLISEEDLAANDILDYKDDDD KV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.

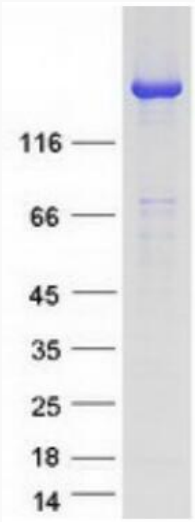
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Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Phosphatase
Protein Pathways	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
Full Length	Full L.

GENE INFORMATION

Gene Name	SYNJ2 synaptojanin 2 [Homo sapiens (human)]
Official Symbol	SYNJ2
Synonyms	INPP5H
Gene ID	8871
mRNA Refseq	NM_003898.4
Protein Refseq	NP_003889.1
MIM	609410
UniProt ID	O15056

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Coomassie blue staining of purified SYNJ2 protein.

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