

## Product datasheet for PH315160

### Synaptojanin 2 (SYNJ2) (NM\_003898) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SYNJ2 MS Standard C13 and N15-labeled recombinant protein (NP_003889)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215160
Predicted MW:	165.4 kDa
Protein Sequence:	>RC215160 representing NM_003898 Red=Cloning site Green=Tags(s)

MALSKGLRLLGRLGAEGDCSVLLEARGRDDCLLFEAGTVATLAPEEKEVIKGYGKLTDAYGCLGELRLK  
SGGTSLSFLVLTGCTSVGRIPDAEIIYKITATDFYPLQEEAKEEERLIALKKILSSGVFYFVSWPNDGSRF  
DLTVRTQKQGDDSSSEWNSFFWNQLLHVPLRQHQVSCDWLLKIIICGVVIRTIVYASHKQAKACLVSRSV  
CERTGTRFHTRGVNDGHSVNFVETEQMIYMDDGVSSFVQIRGSVPLFWEQPLQVGSHELLRLHGLEAN  
APAFDRHMVLLKEQYQQVNVNLLGSRGGEEVLNRAFKKLLWASCHAGDTPMINFDHFQFAKGGKLEKLE  
TLLRPQLKLHWEDFVFTKGENVSPRFQKGLRMNCLDCLDRTNTVQSFIALEVLHLQLKTLGLSSKPIV  
DRFVESFKAMWSLNGHSLSKVFTGSRALLEGKAKVGKLDGARSMSRTIQSNFFDGVKQEAIAIKLLLVGDVY  
GEEVADKGGMLLDSTALLVTPRILKAMTERQSEFTNFKRIRIAMGTWNVNGGKQFRSNVLRTAELTDWLL  
DSPQLSGATDSQDDSSPADIFAVGFEEMVELSAGNIVNASTTNKKMWGEQLQKAI SRSHRYILLTSAQLV  
GVCLYIFVVRPHYVPFIRDVAIDTVKTMGGKAGNKGAVGIRFQFHSTSFICSHLTAGQSQVKERNEDY  
KEITQKLCFPMGRNVFSDHYVFCGDFNYRIDLYEEVFYFVKRQDWKLLLEFDQLQLQKSSGKIFKDFH  
EGAINFGPTYKYDVGSAAYDTSKCRTPAWTDRVLWRRKKHPFDKTAGELNLLDSDLVDVTKVRHTWSPG  
ALQYYGRAELQASDHRPVLAIVEVEVQVDVGARERVFQEVSSFGPLDATVVVNLQSPTLEEKNEFPED  
LRTELMQTLGSYGTIVLVRINQQMLVTFADSHSALSVLDVDGMKVKGRAVKIRPKTKDWLKGLREEIIR  
KRDSMAPVSPTANSCLLEENDFDTSLDYESEGDILEDDEDYLVEFNQPGVSDSELGGDDLSDVPGPTAL  
APPSKSPALTKKKQHPTYKDDADLVLEKRELEAVGFEFRHRSPSRSLVSNRPRPPPPRPPPTGLMVK  
KSASDASISSGTHGQYSILQATARLLPGAPQQPPKARTGISKPYNVKQIKTTNAQEAEEAIRCLLEARGGA  
SEEALSAVAPRDLEASSEPEPTPGAAPKPTQAPPLPRRPPRVPVPAIKKPTLRRTGKPLSPEEQFEQQT  
VHFTIGPPETSVEAPPVVTAPRVPPVPKPRTFQPGKAAERPSHRKPASDEAPPGAGASVPPPLEAPPLVP  
KVPPRRKKSAPAAFHLQVLQSNSQLLQGLTYNSSDSPSGHPPAAGTVFPQGDFLSTSSATSPDSGDKAM  
KPEAAPLLGDYQDPFWNLLHHPKLLNNTWLSKSSDPLDSGTRSPKRDPIDPVSAGASAAKAEAPPDHGK  
TLGHWVTISDQEKRTALQVFDPLAKT

SGPTRRRLEQKLI SEEDLAANDILDYKDDDDKV

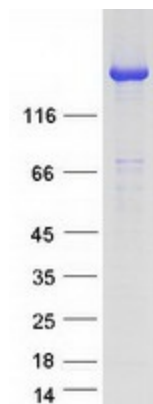
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_003889</a>
RefSeq Size:	6738
RefSeq ORF:	4488
Synonyms:	INPP5H
Locus ID:	8871
UniProt ID:	<a href="#">O15056</a> , <a href="#">B4DG94</a>
Cytogenetics:	6q25.3
Summary:	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. [provided by RefSeq, May 2010]
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

### Product images:



Coomassie blue staining of purified SYNJ2 protein (Cat# [TP315160]). The protein was produced from HEK293T cells transfected with SYNJ2 cDNA clone (Cat# [RC215160]) using MegaTran 2.0 (Cat# [TT210002]).