

## Product datasheet for TP315160L

### Synaptojanin 2 (SYNJ2) (NM\_003898) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human synaptojanin 2 (SYNJ2), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC215160 representing NM\_003898  
Red=Cloning site Green=Tags(s)

MALSKGLRLLGRLGAEGDCSVLLEARGRDDCLLFEAGTVATLAPEEKEVIKQYGKLTDAYGCLGELRLK  
 SGGTSLSFVLVTGCTSVGRIPDAEIKITATDFYPLQEEAKEEERLIALKKILSSGVFYFSWPNDGSRF  
 DLTVRTQKQGDDSEWGNSSFFWNQLLHVPLRQHQVSCCDWLLKICGVVTIRTVYASHKQAKACLVSRSV  
 CERTGTRFHTRGVNDDGHVSNFVETEQMIYMDDGVSSVFQIRGSVPLFWEQPLQVGSHELLRLHRGLEAN  
 APAFDRHMVLLKEQYQQVWNLLGSRGEEVLNRAFKKLLWASCHAGDTPMINDFHQFAKGGKLEKLE  
 TLLRPQLKLHWEDFDVFTKGENVSPRFQKGLRMNCLDCLDRNTVQSFIALEVLHLQLKTLGLSSKPIV  
 DRFVESFKAMWLSLNGHLSLKVFTGSRALEGKAKVKGKLDGARSMSRTIQSNFFDGVKQEAIKLLLVGDVY  
 GEEVADKGGMLLDSTALLVTPRIKAMTERQSEFTNFKRIRIAMGTWNVNGGKQFRSNVLRTAELTDWLL  
 DSPQLSGATDSQDDSSPADIFAVGFEEVVELSAGNIVNASTTNKKMWGEQLQKAISRSHRYILLTSAQLV  
 GVCLYIFVRPYHVPFIRDVAIDTVKTGMGGKAGNKGAVGIRFQFHSTSFICSHLTAGQSQVKERNEDY  
 KEITQKLCFPMGRNVFSDHYVFWCGDFNYRIDLYEEVFYVVKRQDWKKLLEFDQLQLQKSSGKIFKDFH  
 EGAINFGPTYKYDVGSAAYDTSKCRTPAWTDRVLWWRKKHPFDKTAGELNLLDSDLDVDTKVRHTWSPG  
 ALQYYGRAELQASDHRPVLAIVEVEVQEVDVGARERVFQEVSFFQGPLDATVWVNLQSPTLEEKNEFPED  
 LRTELMQTLGSYGTIVLRINQQQMLVTFADSHSALSVDVDGMKVKGRAVKIRPKTKDWLKGLEEEIIR  
 KRDSMAPVSPTANSCLLEENFDFTSLDYESEGDILEDEDEDYLVDEFNQPGVSDSELGGDDLSDVPGPTAL  
 APPSKSPALTKKKQHPTYKDDADLVELKRELEAVGEFRHRSPSRSLVSNRPPPPQPPQPPPTGLMVK  
 KSASDASISSGTHGQYSILQTARLLPGAPQQPPKARTGISKPYNVKQIKTTNAQEAEEAIRCLLEARGGA  
 SEEALSAVAPRDLEASSEPEPTGAAKPEPQAPPLPRRPPPRVPAIKKPTLRRTGKPLSPEEQFEQQT  
 VHFTIGPPETSVEAPPVVTAPRPPVPKPRTFQPGKAAERPSHRKPASDEAPPGAGASVPPPLEAPPLPV  
 KVPPRRKKSAPAAFHLQVLQNSQLLQGLTYNSSDPSGHPAAGTVFPQGDFLSTSSATSPDSDGTKAM  
 KPEAAPLLGDYQDPFWNLLHHPKLLNNTWLSKSSDPLDSGTRSPKRDPIDPVSAGASAAKAELPPDHGHK  
 TLGHWVTISDQEKRTALQVFDPLAKT

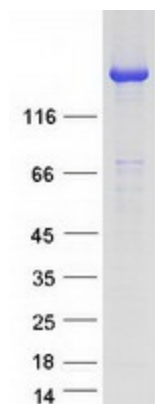
SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK



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<b>Predicted MW:</b>	165.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_003889</a>
<b>Locus ID:</b>	8871
<b>UniProt ID:</b>	<a href="#">O15056</a> , <a href="#">B4DG94</a>
<b>RefSeq Size:</b>	6738
<b>Cytogenetics:</b>	6q25.3
<b>RefSeq ORF:</b>	4488
<b>Synonyms:</b>	INPP5H
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Phosphatase
<b>Protein Pathways:</b>	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]).