

Product datasheet for **TP315160M**

Synaptojanin 2 (SYNJ2) (NM_003898) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human synaptojanin 2 (SYNJ2), 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC215160 representing NM_003898
Red=Cloning site Green=Tags(s)

MALSKGLRLLGRLGAEGDCSVLLEARGRDDCLLFEAGTVATLAPEEKEVIKQYGKLTDAYGCLGELRLK
 SGGTSLFLVLTGCTSVGRIPDAEIKITATDFYPLQEEAKEEERLIALKKILSSGVFYFSWPNDGSRF
 DLTVRTQKQGDDSEWGNSSFFWNQLLHVPLRQHQVSCCDWLLKICGVVTIRTVYASHKQAKACLVSRSV
 CERTGTRFHTRGVNDDGHVSNFVETEQMIYMDDGVSSVFQIRGSVPLFWEQPLQVGSHELLRLHRGLEAN
 APAFDRHMVLLKEQYQQVWNLLGSRGEEVLNRAFKKLLWASCHAGDTPMINDFHQFAKGGKLEKLE
 TLLRPQLKLHWEDFDVFTKGENVSPRFQKGLRMNCLDCLDRNTVQSFIALEVLHLQLKTLGLSSKPIV
 DRFVESFKAMWLSLNGHLSLKVFTGSRALEGKAKVKGKLDGARSMSRTIQSNFFDGVKQEAIKLLLVGDVY
 GEEVADKGGMLLDSTALLVTPRIKAMTERQSEFTNFKRIRIAMGTWNVNGGKQFRSNVLRTAELTDWLL
 DSPQLSGATDSQDDSSPADIFAVGFEEVVELSAGNIVNASTTNKKMWGEQLQKAISRSHRYILLTSAQLV
 GVCLYIFVRPYHVPFIRDVAIDTVKTGMGGKAGNKGAVGIRFQFHSTSFICSHLTAGQSQVKERNEDY
 KEITQKLCFPMGRNVFSDHYVFWCGDFNYRIDLTYEEVFVVKRQDWKKLLEFDQLQLQKSSGKIFKDFH
 EGAINFGPTYKYDVGSAAYDTSKCRTPAWTDRVLWWRKKHPFDKTAGELNLLDSDLDVDTKVRHTWSPG
 ALQYYGRAELQASDHRPVLAIVEVEVQEVDVGARERVFQEVSFQGPLDATVWNLQSPTLEEKNEFPED
 LRTELMQTLGSYGTIVLRINQGQMLVTFADSHSALSVDVDGMKVKGRAVKIRPKTKDWLKGRLREEIIR
 KRDSMAPVSPTANSCLLEENFDFTSLDYESEGDILEDEDEDYLVDEFNQPGVSDSELGGDDLSDVPGPTAL
 APPSKSPALTKKKQHPTYKDDADLVELKRELEAVGEFRHRSPSRSLVSNRPPPPQPPQPPPTGLMVK
 KSASDASISSGTHGQYSILQTARLLPGAPQQPPKARTGISKPYNVKQIKTTNAQEAEEAIRCLLEARGGA
 SEEALSAPRDLEASSEPEPTGAAKPEPQAPPLPRRPPPRVPAIKKPTLRRTGKPLSPEEQFEQQT
 VHFTIGPPETSVEAPPVVTAPRPPVPKPRTFQPGKAAERPSHRKASDEAPPGAGASVPPPLEAPPLVP
 KVPRRRKSAPAAFHLQVLQSNLQLGLTYNSSDPSGHPAAGTVFPQGDFLSTSSATSPDSDGTKAM
 KPEAAPLLGDYQDPFWNLLHHPKLLNNTWLSKSSDPLDSGTRSPKRDPIDPVSAGASAAKAELPPDHGK
 TLGHWVTISDQEKRTALQVFDPLAKT

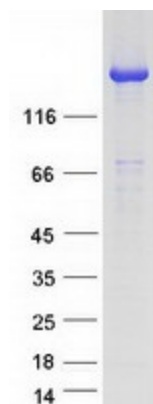
SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK



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