

Recombinant Human SYNJ2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SYNJ2-2535H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

SYNJ2 MS Standard C13 and N15-labeled recombinant protein (NP_003889) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

165.4 kDa

AA Sequence

MALSKGLRLLGRLGAEGDCSVLLEARGRDDCLLFEAGTVATLAPEEKEVIKGQYGKLT
 DAYGCLGELRLKSGGTSLSFLVLTGCTSVGRIPDAEIYKITATDFYPLQEEAKEEE
 RLIALKKILSSGVFYFSWPNDGSRFDLTVRTQKQGDDSSSEWGNSSFFWNQLLHVPLR
 QHQVSCCDWLLKIICGVVTIRTVYASHKQAKACLVS RVSCERTGTRFHTRGVNDDG
 HVSNFVETEQMIYMDDGVSSVFVQIRGSVPLFWEQ PGLQVGSHHLRLHRGLEANAPA
 FDRHMVLLKEQYGQQVVNLLGSRGGEEVLNRAFKLLWASCHAGDTPMINFDFH
 QFAKGGKLEKLETLLRPQLKLHWEDFDVFTKGENVSPRFQKGTLRMNCCLDCLDRTN
 TVQSFIALEVLHLQLKTLGLSSKPIVDRFVESFKAMWSLNGHLSKVF TGSRALEGKA

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KVGKLDKDGARSMSRTIQSNFFDGVKQEAIKLLLVDVYGEEVADKGGMLLDSTALLV
TPRILKAMTERQSEFTNFKRIRIAMGTWNVNGGKQFRSNVLRRTAELTDWLLDSPQLS
GATDSQDDSSPADIFAVGFEEMVELSAGNIVNASTTNKKMWGEQLQKAISRSHRYIL
L TSAQLVGVCLYIFVRPYHVPFIRDVAIDTVKTGMGGKAGNKGAVGIRFQFHSTSCFCF
ICSHLTAGQSQVKERNEDYKEITQKLCFPMGRNVFSDYVFWCGDFNYRIDLTYYE
VFYFVKRQDWKLLLEFDQLQLQKSSGKIFKDFHEGAINFGPTYKYDVGSAAYDTSK
CRTPAWTDRVLWWRKKHPFDKTAGELNLLDSDLVDTKVRHTWSPGALQYYGRA
ELQASDHRPVLAIVEVEVQEVDVGARERVFQEVSSFQGPLDATVVVNLQSPTLEEK
NEFPEDLRTELMQTLGSGYGTIVLVRINQGQMLVTFADSHSALSVDVDGMKVKGRA
VKIRPKTKDWLKGRLREEIIRKRDSMAPVSPTANSCLEENFDFTSLDYESEGDILEDD
EDYLVDEFNQPGVSDSELGGDDLSDVPGPTALAPPSKSPALTKKKQHPTYKDDADL
VELKRELEAVGFRHRSPSRSLVSNRPRPPQPPQRPPPPTGLMVKKSASDASISS
GTHGQYSILQTARLLPGAPQQPPKARTGISKPYNVKQIKTTNAQEAEEAIRCLLEARG
GASEEALSAVAPRDLEASSEPEPTGAAPKQAPPLPRRPPPRVPAIKKPTLRR
TGKPLSPEEQFEQQT VHFTIGPPETSVEAPPVVTAPRVPPVPKPRTFQPGKAAERPS
HRKPASDEAPPGAGASVPPPLEAPPLVPKVPRRKKSAPAAFHLQVLQSNLQSQG
LTYNSSDPSGHPAAAGTVFPQGDFLSTSSATSPDSDGTKAMKPEAAPLLGDYQDP
FWNLLHHPKLLNNTWLSKSSDPLDSGTRSPKRDPIPVVSAGASAAKAEPLPDHGHK
TLGHWVTISDQEKRTALQVFDPLAKTSGPTRTRRLEQKLISEEDLAANDILDYKDDDD
KV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

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Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SYNJ2 synaptojanin 2 [Homo sapiens (human)]

Official Symbol SYNJ2

Synonyms SYNJ2; synaptojanin 2; synaptojanin-2; INPP5H; inositol phosphate 5-phosphatase 2; synaptic inositol-1,4,5-trisphosphate 5-phosphatase 2; KIAA0348; MGC44422;

Gene ID 8871

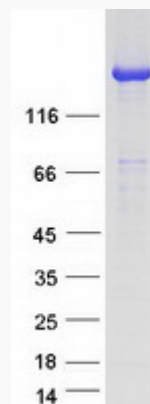
mRNA Refseq NM_003898

Protein Refseq NP_003889

MIM 609410

UniProt ID O15056

SDS-PAGE



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