

Product datasheet for **MC224544**

Synj2 (NM_001113353) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Synj2 (NM_001113353) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Synj2
Synonyms:	AI481647; mKIAA0348; SJ2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224544 representing NM_001113353 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGCTCTAAGCAAAGGGCTGCGGCTGCTGGCGCGCTGGACCCACTGGCCCGAGCAGCGTGTGTTGG
AGGCGCGGGGCGCGGCGACTGCCTGCTCTTCGAGCCGCGCAGTGGCCACGCTGGCTCCGGAAGAGAA
GGAAGTCATTAAGGACTGTATAGCAAGCTGACGGATGCCTATGGCTGCCTCGGGGAGCTGAGGTTACAA
TCCGGTGGCGTCCCCTTGAGCTTTCTGGTGTGGTGACAGGCTGCATGTCAAGTGGCAGAAATCCAGATG
CAGAGATCTACAAAATCACTGCCACTGAGTTGTACCCCTGCAGGAAGAGGCCAAGGAAGAGGACCCGCT
GCCACCTTAAAGAAAATCCTGAGCTCAGGGGTGTTCTATTTCCGATGGCCCAATGATGGCGCCTGCTTC
GATCTGACCATCAGGGCTCAGAAACAGGGTGTGACGGCTCTGAATGGGGACCTCTTTCTTCTGGAACC
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GGTGGTGACCATCCGCACAGTATATGCCTCCACAAGCAGGCCAAGGCCGTGTCTCATCTCTCGCATCAGC
TGTGAACGCGCAGGTGCTCGCTTCCTCACCCGTGGTGTGAACGATGATGGCCACGTGTCCAACCTTTGTGG
AGACAGAGCAGACGATTTACATGGATGATGGAGTATCGTCCTTTGTCCAGATCCGAGGCTCCGTTCCGCT
GTTCTGGGAGCAACCAGGACTTCAGTTGGCTCCCATCATCTGAGACTGCACAGAGGCCCTAGAGGCCAAC
GCTCCTGCTTTTGAAGGCACATGGTGCTTCTGAAGGAGCAATACGGTAAGCAGGTGGTTGTGAACCTGC
TGGGTAGCAGAGGCGGTGAAGAGGTGCTCAACAGAGCCTTCAAGAAGTTGCTCTGGGCTTCTTGCCACGC
GGGTGACACACCTATGATAAAATTTGACTTCCATCAGTTTGCCAAAGGTAGGAAGCTAGAGAAAATGGAG
AACCTGTTGAGACCTCAGTTACAGCTACACTGGGAAGACTTCGGCGTGTTCGGAAGGGCGAGAATGTAA
GTCCACGGTTTCAGAAAGGCACTCTGCGGATGAACTGTCTCGACTGTCTGGATAGAACCAACTGTGCA
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CATCCAGTCCAATCTTCGACGGGTGAAGCAGGAGGCCATCAAGCTACTGCTAGTCCGAGATGTCTAC
AATGAAGAGTCTACAGACAAAGGACGGATGCTGCTGGACAACCGGCCCTTCTGGCGACCCCGAGGATCT



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TGAAGGCCATGACAGAACGCCAGTCGGAATTCACGAATTTCAAGCGCATCCAGATTGCTGTGGGGACCTG
 GAATGTGAACGGAGGAAAGCAATTCCTAGCAATCTCCTGGGGACGGCTGAGCTCACGGACTGGCTCCTA
 GATGCTCCTCAGCTGTCAGGAGCAGTGGACTCCAGGATGATGGCAGTCTGCTGACGTATTTGCCATCG
 GGTTTGAGGAGATGGTGGAACTGAGTGGGGAAATATTGTCAATGCCAGCACCACCAACAGGAAGATGTG
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 GCGTCTGTCTTTACATCTTTGTACGTCCGTACCACGTCCCGTTCATCAGAGACGTGGCCATCGACACCC
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 ACTCTGAAATACTACGGCCGTGCAGAGCTGCAGGCGTCTGATCACAGACCTGTGCTGGCCATTGTGGAGG
 TGGAGGTTCAAGAGGTGGATGTAGGAGCCCGGAGAGGGTCTTCCAGGAAGTGTCTCTGTCCAAGGCC
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 CGAGCTGGACTATGAGTCCGAAGGGGATGTTCTTGAAGAGGATGAAGACTATTTAGTGGATGGGTTTGG
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 GCCAGCAAGTCTCCCGCCCTGGCTAAAAAGAAGCAACATCCAACATACAAAGACGACGCTCACCTGGTGA
 CCTTAAAGCAGGAGCTGGAAGTTGCTGGGAATTTTCGCCACCGTCTCCGAGCAGGTCCCTGTCCGTCCC
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 GCCTCAGACGCGTCCATCTTCTGGCACTCATGGACAATATTCATCTTGCAGACAGCGAAACTTCTCC
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 AACCACCAACGCTCAGGAGGCAGAAGCAGCTATCCGGTGTCTCCTGGAAGCTAGCGGAGGGGTCCCGGAA
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 CCTGCCCGCCGGCCTGCTCCAAGGGTCCCCTATGAAGAAACCAACTTTGAGGAGGACAGGAAAGCC
 CATGTTACCAGAAGAAAATTTGAGCCACAGCCTGTCCATTTTACAATGGCTTCCAGGAAATGAACCTT
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 AAGGTGTTGAGGGGAGGCCAAGCAGCGGTAAGCCAGAACCAGATGAAGCTCCTTCCGTGACAGGCACTGT
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 TCTGCACCAGCGGCTTCCACCTGCAGGTCTGCAGAACAACAGCCAAGTTCTCCAGGGCCTCACGTGCT
 CCAGCAGTTCTCCACCCTCACTGAAGCCCGACACCCACCGCTGTGCTACAAGTGGCACTTGGCACTTC
 ATCTGCCAGAAGCCCTGAAACCCATGGCCCCAGAGTGCAGAGCCCGAGGCGGCTCTTTTCATGGCAAC
 TATCCAGATCCCTTCTGGAGCCTTCTCCACCACCTAAGCTGTTGAACAATACCTGGCTGTCCAAGAGCT
 CCGAGCCTTTAGACGTGGGGTCCAGGAACCTGAGAGGACACACAGAGCCGGCACAGGTCAATGCATC
 GTTGGCTGAGAGGGGCTTCCACCAGACCATGGGGGAAAGACTTAAGTCACTGGGTGACAGCTAGTAAC
 AAAGACAAGAGGACAACATTAGGTGTTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
 ACCN: NM_001113353
 Insert Size: 4440 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001113353.2</u> , <u>NP_001106824.1</u>
RefSeq Size:	5886 bp
RefSeq ORF:	4440 bp
Locus ID:	20975
UniProt ID:	<u>Q9D2G5</u>
Cytogenetics:	17 3.59 cM
Gene Summary:	Inositol 5-phosphatase which may be involved in distinct membrane trafficking and signal transduction pathways. May mediate the inhibitory effect of Rac1 on endocytosis (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).