

Product datasheet for **MC224445**

Synj2 (NM_001113352) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Synj2 (NM_001113352) 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: >MC224445 representing NM_001113352
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGCTCTAAGCAAAGGGCTGCGGCTGCTGGCGCGCTGGACCCACTGGCCCGAGCAGCGTGTGTTGG
 AGGCGCGGGGCCGCGGCGACTGCCTGCTCTTCGAGCCGCGCAGTGGCCACGCTGGCTCCGGAAGAGAA
 GGAAGTCATTAAGGACTGTATAGCAAGCTGACGGATGCCTATGGCTGCCTCGGGGAGCTGAGGTTACAA
 TCCGGTGGCGTCCCCTTGAGCTTTCTGGTGTGGTGACAGGCTGCATGTCAAGTGGCAGAAATCCAGATG
 CAGAGATCTACAAAATCACTGCCACTGAGTTGTACCCCTGCAGGAAGAGGCCAAGGAAGAGGACCCGCT
 GCCACCTTAAAGAAAATCCTGAGCTCAGGGGTGTTCTATTTTCGCATGGCCCAATGATGGCGCCTGCTTC
 GATCTGACCATCAGGGCTCAGAAACAGGGTGTGACGGCTCTGAATGGGGACCTCTTTCTTCTGGAACC
 AGCTATTGCATGTGCCTCTGCGGCAGCACCAGGTGAAGTGTATAACTGGTTGCTGAAAGTCATCTGTGG
 GGTGGTGACCATCCGCACAGTATATGCCTCCACAAGCAGGCCAAGGCCGTGTCTCATCTCTCGCATCAGC
 TGTGAACGCGCAGGTGCTCGCTTCCTCACCCGTGGTGTGAACGATGATGGCCACGTGTCCAACCTTTGTGG
 AGACAGAGCAGACGATTTACATGGATGATGGAGTATCGTCCTTTGTCCAGATCCGAGGCTCCGTTCCGCT
 GTTCTGGGAGCAACCAGGACTTCAGTTGGCTCCCATCATCTGAGACTGCACAGAGGCCCTAGAGGCCAAC
 GCTCCTGCTTTTGAAGGCACATGGTGCTTCTGAAGGAGCAATACGGTAAGCAGGTGGTTGTGAACCTGC
 TGGGTAGCAGAGGCGGTGAAGAGGTGCTCAACAGAGCCTTCAAGAAGTTGCTCTGGGCTTCTTGCCACGC
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 AACCTGTTGAGACCTCAGTTACAGCTACACTGGGAAGACTTCGGCGTGTTCGGAAGGGCGAGAATGTAA
 GTCCACGGTTTCAGAAAGGCACTCTGCGGATGAACTGTCTCGACTGTCTGGATAGAACCAACTGTGCA
 GTGCTTATTGCTCTTGAGGTCCTTCTGACGCTTGAGAGCTTGGGGCTAAATCAAAGCCCATT
 GACCGTTTTGTGGAGTCTTCAAAGCCATGTGGTCTCTGAATGGGCACAGCCTGAGCAAGGTGTTACAG
 GGAGCAGGGCCCTGGAAGGAAAGGCCAAGGTGGAAAGCTGAAGGATGGGGCCGATCCATGTCTCGCAC
 CATCCAGTCCAATCTTCGACGGGTGAAGCAGGAGGCCATCAAGCTACTGCTAGTCCGAGATGTCTAC
 AATGAAGAGTCTACAGACAAAGGACGGATGCTGCTGGACAACACGGCCCTTCTGGCGACCCCAAGGATCT



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TGAAGGCCATGACAGAACGCCAGTCGGAATTCACGAATTTCAAGCGCATCCAGATTGCTGTGGGGACCTG
 GAATGTGAACGGAGGAAAGCAATTCCTAGCAATCTCCTGGGGACGGCTGAGCTCACGGACTGGCTCCTA
 GATGCTCCTCAGCTGTCAGGAGCAGTGGACTCCCAGGATGATGGCAGTCTGCTGACGTATTTGCCATCG
 GGTTTGAGGAGATGGTGGAACTGAGTGCGGGAAATATTGTCAATGCCAGCACCACCAACAGGAAGATGTG
 GGGCGAGCAGCTTCAGAAAGCCATCTCCCGTCCCACGGTACATCCTCTTGACCTCCGCACAGCTGGT
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 CAGTTTCTGCTTCGTCTGTAGCCACCTGACGGCTGGGCAGTCTCAGGTGAAGGAGAGGAATGAAGACTAC
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 GAAGAACTTATGGAATTCGATCAGTTACAGTTACAGAAATCAAGTGGAAAAATTTTAAAGACTTTTCA
 GAAGGAGCCGTTAACTTCGGACCCACCTACAAGTATGACGTTGGATCAGCTGCCTACGACACAAGTGACA
 AGTGCCGTACCCAGCCTGGACAGACAGGGTGTGTGGTGGAGGAAGAAGCATCCATATGATAAAACAGC
 TGGTGAACCTAACCTTCTAGACAGCGATCTAGACGGCGATCCCCAAATCAGACACACCTGGTCTCCAGGC
 ACTCTGAAATACTACGGCGTGCAGAGCTGCAGGCGTCTGATCACAGACCTGTGCTGGCCATTGTGGAGG
 TGGAGGTTCAAGAGGTGGATGTAGGAGCCCGGAGAGGGTCTTCCAGGAAGTGTCTCTGTCCAAGGCC
 GCTGGATGCCACCGTTGTTGTAACCTCCAGTCTCCAACCTAGAAGAGAAAAATGAATTTCCAGAGGAC
 CTGCGCACAGAACTTATGCAGACTTTGGGGAATTATGGGACGATTATTCTAGTCAGGATCAACCAAGGGC
 AGATGCTGGTGACGTTTGCAGACAGCCACTCGGCTCTCAGTGTGCTGGATGTGGATGGTATGAAGGTGAA
 AGGCAGGGCCGTGAAGATTCGACCAAAGACCAAAGATTGGCTAGAAGGCCGTGAGAGAGGAGCTTCTCCGG
 AAGCGAGACAGCATGGCCCTGTGTCTCCACCCCAACTCTGCTTGTGGAGGAGAAGTTGACTTCT
 CGAGTCTGGACTATGAGTCCGAAGGGGATGTTCTTGAAGAGGATGAAGACTATTTAGTGGATGGGTTTGG
 CCAGCTGTAGTCTCAGACAGTGAAGTCCGTTGGAGACAAGTCTTCCGACACCATGAGCTCCTTGACACCC
 GCCAGCAAGTCTCCCGCCTGGCTAAAAAGAAGCAACATCCAACATACAAGCTGGCTTAATGGTGAAGA
 AGTCAGCCTCAGACGCGTCCATCTTCTGGCACTCATGGACAATATTCCATCTTGCAGACAGCGAAACT
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 ATCAAAACCAACCGCTCAGGAGGCAGAAAGCAGCTATCCGGTGTCTCCTGGAAGCTAGCGGAGGGGTCC
 CGGAATCAGCCCCAGGTGCCATACCCCTGAGAAACCAAGGGTCTTCTAAGCCAGAGGCCACCCCTGGGGCC
 CCCAGCCCTGCCCGCCGGCCTGCTCCAAGGGTCCCCTATGAAGAAACCAACTTTGAGGAGGACAGGA
 AAGCCCATGTTACCAGAAGAAAAGTTTGAAGCCACAGCCTGTCCATTTACAATGGCTTCCAGGAATGA
 ACCTTGAGACCCCTCCTCCAATAACAGCTACTCCATCCCGCCTGTTCCCAACCAAGAACAACCTCAGCC
 TGGGAAAGGTGTTGAGGGGAGGCCAAGCAGCGTAAGCCAGAACCAGATGAAGCTCCTTCCGTGACAGGC
 ACTGTGGAGTCAACACCTCCAGAGGCCAGGAGGCCCGTCTCTGGCTCCAAGGTGCCTCCGAGGAGGA
 AGAAGTCTGCACCAGCGGCTTCCACCTGCAGGTCTGCAAGCAACAGCCAAGTTCTCCAGGGCCTCAC
 GTGCTCCAGCAGTTCTCCACCCTCACTGAAGCCCGACACCCACCCGCTGTGCTACAAGTGGCACTTGGC
 ACTTACTCTGCCAGAAGCCCTGAAACCCATGGCCCCAGAGTGACAGAGCCCGAGGCGGCCTTTTTCATG
 GCAACTATCCAGATCCCTTCTGGAGCCTTCTCCACCACCTAAGCTGTTGAACAATACCTGGCTGTCCAA
 GAGCTCCGAGCCTTTAGACGTGGGTCCAGGAACCTGAGAGGACACACAGAGCCGGCACAGGTCAAT
 GCATCGTTGGCTGAGAGGGGGCTTCCACCAGACCATGGGGGAAAAGACTTAAGTCACTGGGTGACAGCTA
 GTAACAAAGACAAGAGGACAACATTAGGTGTTGA

AGCGGACCGACGCTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
 ACCN: NM_001113352
 Insert Size: 4305 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_001113352.2</u> , <u>NP_001106823.1</u>
RefSeq Size:	5751 bp
RefSeq ORF:	4305 bp
Locus ID:	20975
UniProt ID:	<u>Q9D2G5</u>
Cytogenetics:	17 3.59 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1 that results in a shorter protein (isoform b).</p>