

## Product datasheet for MC223969

### Synj2 (NM\_011523) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Synj2 (NM_011523) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Synj2
Synonyms:	AI481647; mKIAA0348; SJ2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223969 representing NM_011523 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCAGTGGGCAGAATTCCAGATGCAGAGATCTACAAAATCACTGCCACTGAGTTGTACCCCTGCAGG  
AAGAGGCCAAGGAAGAGGACCGCTGCCACCTAAAGAAAATCCTGAGCTCAGGGGTGTTCTATTTTCGC  
ATGGCCAATGATGGCGCCTGCTTCGATCTGACCATCAGGGCTCAGAAACAGGGTATGACGGCTCTGAA  
TGGGGACCTCTTTCTTCTGGAACAGCTATTGCATGTGCCTCTGCGGCAGCACCAGGTGAAGTGTGATA  
ACTGGTTGCTGAAAGTCATCTGTGGGGTGGTGACCATCCGCACAGTATATGCCTCCACAAGCAGGCCAA  
GGCCTGTCTCATCTCTCGCATCAGCTGTGAACGCGCAGGTGCTCGCTTCCCTACCCGTGGTGTGAACGAT  
GATGGCCACGTGTCCAATTTGTGGAGACAGAGCAGACGATTTACATGGATGATGGAGTATCGTCCTTTG  
TCCAGATCCGAGGCTCCGTTCCGCTGTTCTGGGAGCAACCAGGACTTCAGGTTGGCTCCCATCATCTGAG  
ACTGCACAGAGGCCTAGAGGCCAACGCTCCTGCTTTTGAAGGCCACATGGTGCTTCTGAAGGAGCAATAC  
GGTAAGCAGGTGGTTGTGAACCTGCTGGGTAGCAGAGGCGGTGAAGAGGTGCTCAACAGAGCCTTCAAGA  
AGTTGCTCTGGGCTTCTTGCCACGCGGGTGACACACCTATGATAAATTTGACTTCCATCAGTTTGCCAA  
AGGTAGGAAGCTAGAGAAATGGAGAACCTGTTGAGACCTCAGTTACAGCTACACTGGGAAGACTTCGGC  
GTGTTTGCGAAGGGCGAGAATGTAAGTCCACGGTTTCAGAAAGGCACTCTGCGGATGAAGTGTCTCGAT  
GTCTGGATAGAACCAACACTGTGCAGTGCCTTATTGCTCTTGAGGTCTTTCATCTGCAGCTTGAGAGCTT  
GGGGCTAAATCAAAGCCATCATTGACCGTTTTGTGGAGTCTTCAAAGCCATGTGGTCTCTGAATGGG  
CACAGCCTGAGCAAGGTGTTACAGGGAGCAGGGCCCTGGAAGGAAAGGCCAAGGTGGGAAAGCTGAAGG  
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GCTACTGCTAGTCGGAGATGTCTACAATGAAGAGTCTACAGACAAAGGACGGATGCTGCTGGACAACACG  
GCCCTTCTGGCGACCCCAAGGATCTTGAAGGCCATGACAGAACGCCAGTCGGAATTCACGAATTTCAAGC  
GCATCCAGATTGCTGTGGGGACCTGGAATGTGAACGGAGGAAAGCAATCCGTAGCAATCTCTGGGGAC  
GGCTGAGCTCACGGACTGGCTCCTAGATGCTCCTCAGCTGTCAGGAGCAGTGGACTCCCAGGATGATGGC



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AGTCCTGCTGACGTATTTGCCATCGGGTTTGAGGAGATGGTGGAACTGAGTGCGGGAAATATTGTCAATG
CCAGCACCACCAACAGGAAGATGTGGGGCGAGCAGCTTCAGAAAGCCATCTCCCGCTCCCATCGGTACAT
CCTCTTGACCTCCGCACAGCTGGTGGGCGTCTGTCTTTACATCTTTGTACGTCCGTACCACGTCCCGTTC
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GCATCCGCTTCCAGCTCCACAGCACCAGTTTCTGCTTCGTCTGTAGCCACCTGACGGCTGGGCAGTCTCA
GGTGAAGGAGAGGAATGAAGACTACCGGGAGATCACGCACAACTCTCCTTCCCTTCGGGGAGAAACATA
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TCTATTTTGTAAACGCCAAGACTGGAAGAACTTATGGAATTCGATCAGTTACAGTTACAGAAATCAAG
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AGACCTGTGCTGGCCATTGTGGAGGTGGAGGTTCAAGAGGTGGATGTAGGAGCCCGGAGAGGGTCTTCC
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AAGACTATTTAGTGGATGGGTTTGGCCAGCCTGTAGTCTCAGACAGTGAAGTCCGGTGGAGACAACCTTC
CGACACCATGAGTCTTTCAGACCCGCCAGCAAGTCTCCCGCCCTGGCTAAAAAGAAGCAACATCCAACA
TACAAAAGACGACGCTCACCTGGTGACCTTAAAGCAGGAGCTGGAAGTTGCTGGGAATTTTCGCCACCGTT
CTCCGAGCAGGTCCTGTCGTCGCCAATAGGCCTCGGCCACCTCACCCACACAGAGACCCCCCTCC
AACTGGCTTAATGGTGAAGAAGTCAGCCTCAGACGCGTCCATCTCTTCTGGCACTCATGGACAATATTCC
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AACCTTACAACGTCAAACAGATCAAACACCAACGCTCAGGAGGCAGAAAGCAGCTATCCGGTGTCTCT
GGAAGTAGCGGAGGGGTCGCGAATCAGCCCCAGGTGCCATACCCCTGAGAAACCAAGGGTCTTCTAAG
CCAGAGGCCACCTGGGGCCCCAGCCCTGCCCGCCGGCCTGCTCAAGGGTCCCACTATGAAGAAAC
CAACTTTGAGGAGGACAGGAAAGGTGTACTCGGCATCTCCAGTGTTCGTTGAAGAGCTGCGCTCTGC
TGCTGCACCCACACGCAGTGAAGTGCACAGGACTGCGGAGACCTTAAACAACAGATGGAGATGCCACGT
TTCTCGCACTATATTCACACAAAAAATGGAAGACGTATCTCTCAGTTTCAAGATCTCTGGCTAAAGT
TTCGCAGATGA
    
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AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA
    
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**Restriction Sites:**

SgfI-RsrII

**ACCN:**

NM\_011523

**Insert Size:**

3651 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:**

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:** [NM\\_011523.2](#), [NP\\_035653.2](#)

**RefSeq Size:** 4127 bp

**RefSeq ORF:** 3651 bp

**Locus ID:** 20975

**UniProt ID:** [Q9D2G5](#)

**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 (3) has multiple differences in the coding region but maintains the reading frame compared to variant 1. This variant encodes isoform c which is shorter than isoform a.