

## Product datasheet for **MC229385**

### Synj2 (NM\_001290698) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Synj2 (NM\_001290698) 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:** >MC229385 representing NM\_001290698  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGCAGAAGTTGCTCTGGGCTTCTTGCCACGCGGGTGACACACCTATGATAAATTTTGACTTCCATCAGT  
 TTGCCAAAGGTAGGAAGCTAGAGAAATGGAGAACCTGTTGAGACCTCAGTTACAGCTACACTGGGAAGA  
 CTTCCGGGTGTTTGCGAAGGGCGAGAATGTAAGTCCACGGTTTCAGAAAGGCACCTCTCGCGATGAAGTGT  
 CTCGACTGTCTGGATAGAACCAACACTGTGCAGTGCTTATTGCTCTTGAGGTCCTTCATCTGCAGCTTG  
 AGAGCTTGGGGCTAAATTCAAAGCCCATCATTGACCGTTTTGTGGAGTCCCTCAAAGCCATGTGGTCTCT  
 GAATGGGCACAGCCTGAGCAAGGTGTTACAGGGAGCAGGGCCCTGGAAGGAAAGGCCAAGGTGGGAAAG  
 CTGAAGGATGGGGCCGATCCATGTCTCGCACCATCCAGTCCAATTTCTCGACGGGGTGAAGCAGGAGG  
 CCATCAAGCTACTGCTAGTCGGAGATGTCTACAATGAAGAGTCTACAGACAAAGGACGGATGCTGCTGGA  
 CAACACGGCCCTTCTGGCGACCCCAAGGATCTGAAGGCCATGACAGAACGCCAGTCGGAATTCACGAAT  
 TTCAAGCGCATCCAGATTGCTGTGGGGACCTGGAATGTGAACGGAGGAAAGCAATCCGTAGCAATCTCC  
 TGGGGACGGCTGAGCTCAGGACTGGCTCCTAGATGCTCCTCAGCTGTGAGGAGCAGTGGACTCCAGGA  
 TGATGGCAGTCCCTGCTGACGATTTGCCATCGGGTTTGAGGAGATGGTGAAGTGAAGTGGGAAATATT  
 GTCAATGCCAGCACCAACAGGAAGATGTGGGGCGAGCAGCTTCAGAAAGCCATCTCCCGCTCCCATC  
 GGTACATCCTCTTGACCTCCGCACAGCTGGTGGGCGTCTGTCTTTACATCTTTGTACGTCGGTACCACGT  
 CCCGTTTATCAGAGAGCTGGCCATCGACACCGTGAAGACCGGCATGGGGGAAAGCGGGGAATAAGGGT  
 GCTGTGGGCATCCGCTTCCAGCTCCACAGCACCAGTTTCTGCTTCTGTAGCCACCTGACGGCTGGGC  
 AGTCTCAGGTGAAGGAGAGGAATGAAGACTACCGGGAGATCACGCACAACTCTCCTTCCCTTCGGGGAG  
 AAACATATTTTACATGATTACGTGTTTTGGTGTGGCGATTTCAACTACCGTATTGATCTTACTTACGAA  
 GAAGTCTTCTATTTTGTAAACGCCAAGACTGGAAGAACTTATGGAATTCGATCAGTTACAGTTACAGA  
 AATCAAGTGGAAAAATTTTAAAGACTTTCATGAAGGACCGTTAACTTCGGACCCACCTACAAGTATGA  
 CGTTGGATCAGCTGCCTACGACACAAGTGACAAGTGCCGTACCCAGCCTGGACAGACAGGGTGTGTGG  
 TGGAGGAAGAAGCATCCATATGATAAAACAGCTGGTGAAGTCAACCTTCTAGACAGCGATCTAGACGGCC



[View online »](#)

ATCCCCAAATCAGACACACCTGGTCTCCAGGCACTCTGAAATACTACGGCCGTGCAGAGCTGCAGGCGTC  
 TGATCAGACACCTGTGCTGGCCATTGTGGAGGTGGAGGTTCAAGAGGTGGATGTAGGAGCCCGGGAGAGG  
 GTCTTCCAGGAAGTGTCTCTGTCCAAGGCCCGCTGGATGCCACCGTTGTTGTAACCTCCAGTCTCCAA  
 CCCTAGAAGAGAAAAATGAATTTCCAGAGGACCTGCGCACAGAAGTTATGCAGACTTTGGGGAATTATGG  
 GACGATTATTCTAGTCAGGATCAACCAAGGGCAGATGCTGGTGACGTTTGACAGACAGCCACTCGGCTCTC  
 AGTGTGCTGGATGTGGATGGTATGAAGGTGAAAGGCAGGGCCGTGAAGATTGACCAAAGACCAAAGATT  
 GGCTAGAAGGCCGTGAGAGAGGAGCTTCTCCGGAAGCGAGACAGCATGGCCCTGTGTCTCCACCCGCCAA  
 CTCCTGCTTGTGGAGGAGAAGCTTTGACTTCTCGAGTCTGGACTATGAGTCCGAAGGGGATGTTCTTGAA  
 GAGGATGAAGACTATTTAGTGGATGGGTTGGCCAGCCTGTAGTCTCAGACAGTGAAGCTCGGTGGAGACA  
 ACTCTTCCGACACCATGAGCTCCTTGACACCCGCCAGCAAGTCTCCCGCCCTGGCTAAAAAGAAGCAACA  
 TCCAACATACAAAGCTGGCTTAATGGTGAAGAAGTCAAGCTCAGACGCGTCCATCTCTTCTGGCACTCAT  
 GGACAATATTCCATCTTGACAGACAGCGAAACTTCTCCAGGAGCACCCAGCAACCAACCAAGGCTAGAA  
 CTGGAATAAGTAAACCTTACAACGTCAAACAGATCAAACCACCAACGCTCAGGAGGCAGAAAGCAGCTAT  
 CCGGTGTCTCCTGGAAGCTAGCGGAGGGGTCCCGGAATCAGCCCAAGGTGCCATACCCCTGAGAAACCAA  
 GGGTCTTCTAAGCCAGAGGCCACCTGGGGCCCCAGCCCTGCCCGCCGGCCTGCTCCAAGGGTCCCA  
 CTATGAAGAAACCAACTTTGAGGAGGACAGGAAAGCCATGTTACCAGAAGAAAAGTTTGTAGCCACAGCC  
 TGTCATTTTTACAATGGCTTCCAGGAAATGAACCTTGAGACCCCTCCTCCAATAACAGCTACTCCCATC  
 CCGCTGTTCCCAAACCAAGAACAACCTTCAAGCTGGGAAAGGTGTTGAGGGGAGGCCAAGCAGCGGTAAGC  
 CAGAACCAGATGAAGCTCCTTCCGTGACAGGCACTGTGGAGTCAACACCTCCAGAGGCCAGGAGGCCCC  
 GTCTCTGGCTCCCAAGGTGCCTCCGAGGAGGAAGAAGTCTGCACCAGCGGCCCTCCACCTGCAGGTCCTG  
 CAGAACAACAGCAAGTTCTCCAGGGCCTCACGTGCTCCAGCAGTTCTCCACCCTCACTGAAGCCCGACA  
 CCCACCCGCTCTGTCTACAAGTGGCACTTGGCACTTCACTGCCAGAAGCCCTGAAACCCATGGCCACG  
 AGTGACAGAGCCCGAGGCGGCCCTTTTTCATGGCAACTATCCAGATCCCTTCTGGAGCCTTCTCCACCAC  
 CCTAAGCTGTTGAACAATACCTGGCTGTCCAAGAGCTCCGAGCCTTTAGACGTGGGGTCCAGGAACCCCTG  
 AGAGGACACACAGAGCCGGCACAGGTCAATGCATCGTTGGCTGAGAGGGGGCTTCCACCAGACCATGG  
 GGGAAAAGACTTAAGTCACTGGGTGACAGCTAGTAACAAGACAAAGAGGACAACATTAGGTGTTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_001290698
- Insert Size:** 3357 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001290698.1](#), [NP\\_001277627.1](#)

**RefSeq Size:** 4779 bp

**RefSeq ORF:** 3357 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 (5) has multiple differences compared to variant 1 and initiates translation at an alternate start codon. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform a.