

## Product datasheet for **RN200256**

### Synj2 (NM\_001113372) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Synj2 (NM_001113372) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Synj2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200256 representing NM_001113372 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCTGAGCAAAGGGCTGCGACTGCTGGCGCGGCTGGACCCACGGCCCGAGCAGCGTGCTGCTGG  
AGGCGGGGGCCGCGGACTGTCTACTTTGAGGCCGGCGCGGTGCCACGCTGGCTCCGGAAGAGAA  
GGAAGTCATTAAGGACTGTATGGGAAGCCGACGGATGCCTATGGCTGCCTCGGGGAGCTGAGTTAAAA  
TCCGGTGGCGTCCCTTGAGCTTTCTGGTGTGGTGACAGGCTGCACGTACGTGGGAGGAGTTCCAGATG  
CAGAGATCTACAAAATCACTGGCACTGAGTTTTACCCCTGCAGGAAGAGGCCAAGGAAGAGGACCGCT  
GCCAGCCTTGAAGAAAATCCTGAGTTCAGGGGTGTTCTATTTGCGATGGCCCAATGATGGCGCTGCTTC  
GATCTGACCATCAGGGCTCAGAAACAGGGTGTACTGCTCTGAATGGGGACCTCCTTCTTCTGGAACC  
AGCTATTGCATGTGCTCTGCGGCAGCACCAGGTGAAGTGTACTGCTGCTGAAAGTCATCTGTGG  
GGTGGTACCATCCGCACGGTTTATGCCTCCACAAGCAGGCCAAGGCCTGTCTCATCTCTCGCATCAGC  
TGTGAACGCGCAGGTGCTCGCTTCTCACCCGGGGTGTGAACGACGATGGCCACGTCCAACCTTTGTGG  
AGACAGAGCAGGCGATTTACATGGATGATGGAGTGTCTCTTTGTCCAGATCCGAGGCTCCGTTCCGCT  
GTTCTGGGAGCAGCCAGGCTCCAGTTGGCTCCCATCATCTGAGACTGCACAGAGGCCTAGAGGCCAAC  
GCCCTGCTTTTGAAGGCACATGGTGCTTCTGAAGGAGCAGTACGGGCAGCAGGTGGTGGTGAACCTGC  
TGGGAAGCAGAGGCGGTGAGGAGGTGCTCAACAGAGCCTTCAAGAAGTTGCTCTGGGCTTCTTGCCACGC  
AGGCGACACGCCTATGATAAATTTGACTTCCATCAGTTTGCCAAAGGTAGGAAGCTAGAGAAAATGGAG  
AACCTGTTGAGACCTCAGTTAAACTACACTGGGATGACTTTGGCGTATTTGCGAAGGGCGAGAATGTAA  
GTCCACGGTTTCAGAAAGGCACTCTGCGGATGAAGTGTCTGACTGTCTGGACAGAACCAACTGTACA  
GTGCTTCATTGCTCTTGAGGTGCTTCAATCTGCAGCTTGAAGCCATGGGCTGAGCAAGGTGTTTACAG  
GAGCAGGGCCCTGGAAGGAAAGGCCAAGGTGGGGAAGCTGAAGGATGGGGTAGATCCATGTCTCGTAC  
CATCCAGTCCAACCTTCTCGACGGGTGAAGCAGGAGGCCATCAAGCTACTGCTAGTTGGAGATGTCTAC  
AATGAAGAGTCTACAGACAAAGGCAGGATGCTGCTGGACAACACGGCCCTTCTGGGTTTGGGGTCAAATA  
AACAAAACAGTCTTTAGGCATGCTGGATGGAAAAGCAACACCCAGGATCCTGAAGGCCATGACAGAACG  
CCAGTCAGAATTCACAAATTTCAAGCGGATCCAGATTGCTATGGGACCTGGAATGTGAACGGAGGAAAA



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CAATTCGGTAGCAATCTCTGGGGACCACTGAACTCACTGACTGGCTCCTGGATGCACCCAGCTCTCAG  
 GAGCAGTGGACTCTCAGGACGATGGCGGTCCCCTGACATATTTGCCGTGGGTTTGAGGAGATGGTGA  
 GCTGAGTGCAGGAAATATTGTAATGCCAGCACCACCAACAGGAAGATGTGGGTGAGCAGCTCCAGAAA  
 GCCATCTCCCGATCCCATCGGTACATCTCTTGACCTCAGCACAGCTGGTGGGCGTCTGTCTTTACATCT  
 TTGTACGTCCGTACCACGTCCCCTTCATCAGGGATGTGGCCATCGACACCGTGAAGACCGGTATGGGGG  
 AAAGCCAGGGAATAAGGGCGCCGTGGGTATCCGCTTTTCAGTTCCACAGCACTAGCTTCTGCTTCATCTGC  
 AGTCACCTGACGGCTGGCAGTCTCAGGTGAAGGAGAGGAACGAAGACTACCGGGAGATCACGCACAAGC  
 TCTCCTTCCCTTCGGGGAGAAACATATTTTCACACGATTATGTGTTTTGGTGTGGCGATTTCAACTACCG  
 CATCGATCTTACTACGAAGAAGTCTTCTATTTTGTAAACGCCAAGACTGGAAGAACTTATGGAATTT  
 GATCAGTTACAGTACAGAAATCAAGTGGGAAAATTTTTAAAGACTTTTCATGAAGGAACCATTAACTTCG  
 GACCCACCTACAAGTATGACGTTGGATCGGCTGCCTATGACACAAGTGACAAGTGCCGGACCCAGCCTG  
 GACAGACAGGGTCTGTGGTGGAGGAAGAAGCATCCGTACGATAAGACAGCTGGCGAACTCAACCTTCTA  
 GACAGTGTCTAGACGGTATGCCAACATCAGACATACCTGGTCTCCGGGCACTCTCAAGTACTACGGCC  
 GTGCCGAGCTGCAGGCATCTGATCACAGACCTGTGCTGGCCATCGTAGAGGTGGAGGTTCAAGAGGTGCA  
 TGTGGGAGCCCGGAGAGAGTCTTCCAGGAAGTCTCTGTCCAAGGCCGCTGGACGCCACTGTTATT  
 GTAACCTTCAGTCTCCAACCTTGAAGAGAGAAATGAATTTCCAGAGGACTGCCACAGAACTTATGC  
 AGACTTTGGGAATTATGGGACGATTATCTGGTCAAGCAAGGGCAGATGCTGGTGACATTTGC  
 AGACAGCCACTCAGTCTCAGTGTGCTGGATGTGGATGGTATGAAGGTGAAAGGCAGGGCCGTGAAGATT  
 CGACCAAGACCAAGATTGGCTAGAAGCTTGAGAGAGGAGCTCATTCCGAAGCGGGACAGCATGGCCC  
 CTGTGTCTCCACCGCAACTCTGCTTGTGGAGGAGAACTTTGACTTCACAAGTCTGGACTATGAGTC  
 AGAAGGGGATGTTCTTGAAGATGATGAAGACTACTTAGCGGATGAGTTTGGTCAAGCTGTAGTCTCAGAC  
 AGTGAGCTTGGAGGAGCAGTCTTCTGATACCATGAGCGCCTCGACACCTGCCAGCAAGTCTCCCGCAC  
 TGGCTAAAAAGAAGCAACATCCAACGTACAAAGCTGGCTTAATGGTGAAGAAGTCTGCCTCAGATGCGTC  
 TATCTCCTCCGGAAACCCAGGGCAATATTCATCTTGCAGACCGGAAACTTCTCCAGGAGCACCTCAG  
 CAACCGCCCAAGGCTCGAACTGGAATAAGTAAACCTTACAACTGCAAAACAGATCAAAACCAATGCTC  
 AGGAGGGCGAAGCAGCTATCCGGTGTCTCCTGGAAGCTGGCGGAGGTGTCCAGAGTCAAGCCCGGGTGC  
 CACGCCCTGAGAAACCAAGGTCTTCTAAGCCAGAGGCTCCCTGGGGCTCCAGTCTACCGCGCCGG  
 CCTGTTCAAGGGTCCCACTATGAAGAAACCAACTTTGAGGAGAACAGGAAAGCCCATGTTATCAGAAG  
 AACAGTGTGAACAGCAGCCTGTCCATTTACAATGGCTTCCAGGAAATGAACCTTGAGACCCCTCCTCC  
 AATAACAGCTCCCATCCGCCTGTCCCAACCAAGAACATTTACGCTGGGAGAGGTGTTGAGAGGAGG  
 CCGAGTGGTGGCAAGCCAGAACCGGATGACGCTCCTCCTGTGACAGGCGTGTGGAGTTATCGTCTCCAG  
 AGGCCCAAGAGGCCCGTCCCTGGCTCCCAAGGTGCCTCCTAGGAGGAAGAAGTCTGCACCAGCAGCCTT  
 CCACCTGCAGGTCTGCAGAGCAACAGCAACTTCTGCAGGGCCTCACATGCTCCAGCAGTTCTCCGTCC  
 CCACCAAGCCTGACACCCCTGCTCTATCCGCAATGGCACTTGGCACTTCATCTGCTATAAGTCCCG  
 AAAGTGTGGCCCGAGAGTACGGAGCCCGAGGCAGCCTTTTTTCATGGCGATTACCCAGATCCCTTCTG  
 GAGCCTTCTCCACCACCCCAAGCTGTTGAATAATAACTGGCTGTCCAAGAGCTCTGAGCCTTTAGAC  
 TTGGGGTCCAGGACCCCTGAGAGGACACACAGACTCAGCGCAGGTCAATGCATCAGTGGTTGAGAGGG  
 GGCTTCCACCAGACCATGGGGTAAAGACTTCACTGACTGGATGGCCGCCAGTAAACAAAGACAAGAGGAC  
 AACATTAGGCGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001113372

**Insert Size:**

4356 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001113372.1</a></u> , <u><a href="#">NP_001106843.1</a></u>
<b>RefSeq Size:</b>	4850 bp
<b>RefSeq ORF:</b>	4356 bp
<b>Locus ID:</b>	84018
<b>UniProt ID:</b>	<u><a href="#">O55207</a></u>
<b>Cytogenetics:</b>	1q11
<b>Gene Summary:</b>	<p>Inositol 5-phosphatase; may be involved in membrane trafficking and signal transduction pathways [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2) lacks an internal coding exon, as compared to variant 1. The resulting isoform (2) lacks an internal segment, as compared to isoform 1.</p>