

Product datasheet for **RN200255**

Synj2 (NM_001113371) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Synj2 (NM_001113371) 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:	>RN200255 representing NM_001113371 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGAGCAAAGGGCTGCGACTGCTGGCGGGCTGGACCCACGGCCCGAGCAGCGTGCTGCTGG
AGGCGGGGGCCGCGGACTGTCTACTTTGAGGCCGGCGCGGTGCCACGCTGGCTCCGGAAGAGAA
GGAAGTCATTAAGGACTGTATGGGAAGCCGACGGATGCCTATGGCTGCCTCGGGGAGCTGAGTTAAAA
TCCGGTGGCGTCCCTTGAGCTTTCTGGTGTGGTGACAGGCTGCACGTCAGTGGGCAGAATTCCAGATG
CAGAGATCTACAAAATCACTGGCACTGAGTTTTACCCCTGCAGGAAGAGGCCAAGGAAGAGGACCGCT
GCCAGCCTTGAAGAAAATCCTGAGTTCAGGGGTGTTCTATTTGCGATGGCCCAATGATGGCGCTGCTTC
GATCTGACCATCAGGGCTCAGAAACAGGGTGTACTGCTGCTGAATGGGGACCTCCTTCTTCTGGAACC
AGCTATTGCATGTGCTCTGCGGCAGCACCAGGTGAAGTGTACTGCTGCTGAAAGTCATCTGTGG
GGTGGTACCATCCGCACGGTTTATGCCTCCACAAGCAGGCCAAGGCCTGTCTCATCTCTCGCATCAGC
TGTGAACGCGCAGGTGCTCGCTTCTCACCCGGGTGTGAACGACGATGGCCACGTGCCAAGTTGTGG
AGACAGAGCAGGCGATTTACATGGATGATGGAGTGTCTCTTTGTCCAGATCCGAGGCTCCGTTCCGCT
GTTCTGGGAGCAGCCAGGCTCCAGTTGGCTCCCATCATCTGAGACTGCACAGAGGCCTAGAGGCCAAC
GCCCTGCTTTTGAAGGCACATGGTGTCTCTGAAGGAGCAGTACGGGCAGCAGGTGGTGGTGAACCTGC
TGGGAAGCAGAGGCGGTGAGGAGGTGCTCAACAGAGCCTTCAAGAAGTTGCTCTGGGCTTCTTGCCACGC
AGGCGACACGCCTATGATAAATTTGACTTCCATCAGTTTGCCAAAGGTAGGAAGCTAGAGAAAATGGAG
AACCTGTTGAGACCTCAGTTAAACTACTGGATGACTTTGGCGTATTTGCGAAGGGCGAGAATGTAA
GTCCACGGTTTCAGAAAGGCACTCTGCGGATGAAGTGTCTGACTGTCTGGACAGAACCAACTGTACA
GTGCTTCATTGCTCTTGAGGTGCTTCATCTGCAGCTTGAAGCCTAGGGCTGAATCCAAGCCCATCACT
GACCGCTTCGTGGAGTCTTCAAAGCCATGTGGTCTCTGAATGGGCATGGCCTGAGCAAGGTGTTACAG
GGAGCAGGGCCCTGGAAGGAAAGGCCAAGGTGGGGAAGCTGAAGGATGGGGCTAGATCCATGCTCTCGTAC
CATCCAGTCCAATTTCTCGACGGGTGAAGCAGGAGGCCATCAAGCTACTGCTAGTTGGAGATGTCTAC
AATGAAGAGTCTACAGACAAAGGCAGGATGCTGCTGGACAACACGGCCCTTCTGGGTTTGGGGTCAAATA
AACAAAACAGTCTTTAGGCATGCTGGATGGAAAAGCAACACCCAGGATCCTGAAGGCCATGACAGAACG
CCAGTCAGAATTCACAAATTTCAAGCGGATCCAGATTGCTATGGGACCTGGAATGTGAACGGAGGAAAA



[View online »](#)

CAATTCGGTAGCAATCTCCTGGGGACCACTGAACTCACTGACTGGCTCCTGGATGCACCCCAGCTCTCAG
GAGCAGTGGACTCTCAGGACGATGGCGGTCCCCTGACATATTTGCCGTCGGGTTTGAGGAGATGGTGA
GCTGAGTGCAGGAAATATTGTCAATGCCAGCACCACCAACAGGAAGATGTGGGTGAGCAGCTCCAGAAA
GCCATCTCCCGATCCCATCGGTACATCCTCTTGACCTCAGCACAGCTGGTGGGCGTCTGTCTTTACATCT
TTGTACGTCCGTACCACGTCCCCTTCATCAGGGATGTGGCCATCGACACCGTGAAGACCGGTATGGGGG
AAAGCCAGGGAATAAGGGCGCCGTGGGTATCCGCTTTTCAGTCCACAGCACTAGCTTCTGCTTCATCTGC
AGTCACCTGACGGCTGGGAGTCAAGGTGAAGGAGAGGAACGAAGACTACCGGGAGATCACGCACAAGC
TCTCCTTCCCTTCGGGGAGAAACATATTTTCACACGATTATGTGTTTTGGTGTGGCGATTCAACTACCG
CATCGATCTTACTACGAAGAAGTCTTCTATTTTGTAAACGCCAAGACTGGAAGAACTTATGGAATTT
GATCAGTTACAGTACAGAAATCAAGTGGGAAAATTTTTAAAGACTTTTCATGAAGGAACCATTAACTTCG
GACCCACCTACAAGTATGACGTTGGATCGGCTGCCTATGACACAAGTGACAAGTGCCGGACCCAGCCTG
GACAGACAGGGTCTGTGGTGGAGGAAGAAGCATCCGTACGATAAGACAGCTGGCGAACTCAACCTTCTA
GACAGTGTCTAGACGGTATGCCAACATCAGACATACCTGGTCTCCGGGCACTCTCAAGTACTACGGCC
GTGCCGAGCTGCAGGCATCTGATCACAGACCTGTCTGGCCATCGTAGAGGTGGAGGTTCAAGAGGTGGA
TGTGGGAGCCCGGAGAGAGTCTTCCAGGAAGTGTCTCTGTCCAAGGCCGCTGGACGCCACTGTTATT
GTAACCTTCAGTCTCCAACCTTGAAGAGAGAAATGAATTTCCAGAGGACTGCCACAGAACTTATGC
AGACTTTGGGAATTATGGGACGATTATCTGGTCAAGTCAACCAAGGGCAGATGCTGGTGACATTTGC
AGACAGCCACTCAGTCTCAGTGTGCTGGATGTGGATGGTATGAAGGTGAAAGGCAGGGCCGTGAAGATT
CGACCAAGACCAAGATTGGCTAGAAGCTTGAGAGAGGAGCTCATTCCGAAGCGGGACAGCATGGCCC
CTGTGTCTCCACCGCAACTCTGTCTTGGAGGAGAACTTTGACTTCAACAAGTCTGGACTATGAGTC
AGAAGGGGATGTTCTTGAAGATGATGAAGACTACTTAGCGGATGAGTTTGGTCAAGCTGTAGTCTCAGAC
AGTGAGCTTGGAGGAGACGACTCTTCTGATACCATGAGCGCTCGACACCTGCCAGCAAGTCTCCCGCAC
TGGCTAAAAAGAAGCAACATCCAACGTACAAAGACGACGCTGACCTGATGAGCTTAAAGCTGAGCTGGA
AGTTGCTGGGAATTTTCGCCACCGTCTCCGAGCAGGTCCTGTCTGTCCCAATAGGCCTCGGCCACCT
CACCTCCACAAAGACCCCCCTCCAAGTGGTAAAGTGAAGAGTGTGCTCAGATGCGTCTATCT
CCTCCGGAACCCACGGCAATATTCATCTTGCAGACCGCAAACTTCTTCCAGGAGCACCTCAGCAACC
GCCAAGGCTCGAACTGGAATAAGTAACTTACAACGTCAAACAGATCAAAACCAATGCTCAGGAG
GCGGAAGCAGCTATCCGGTGTCTCTGGAAGCTGGCGGAGGTGTCCAGAGTCAAGCCGGGTGCCACGC
CCCTGAGAAACCAAGGTCTTCTAAGCCAGAGGCTCCCTGGGGCTCCAGTCTACCGCGCCGGCTGT
TCCAAGGGTCCCACTATGAAGAAACCAACTTTGAGGAGAACAGGAAAGCCCATGTTATCAGAAGAACAG
TGTGAACAGCAGCTGTCCATTTACAATGGCTTCCCAGGAAATGAACCTTGAGACCCCTCTCCAATAA
CAGCTCCCATCCCGCTGTCCCAACCAAGAATTTACGCTGGGAGAGGTGTTGAGAGGAGGCCGAG
TGGTGGCAAGCCAGAACCGGATGACGCTCCTCCTGTGACAGGCGCTGTGGAGTTATCGTCTCCAGAGGCC
CCAGAGGCCCGTCCCTGGCTCCCAAGGTGCCTCCTAGGAGGAAGAAGTCTGCACCAGCAGCCTTCCACC
TGCAGGTCCTGCAGAGCAACAGCAACTTCTGCAGGGCTCACATGCTCCAGCAGTCTCCGTCACCACC
AAAGCCTGACACCCCTGTCTATCCGCAATGGCACTTGGCACTTCACTGCTATAAGTCCCGAAACT
GATGGCCCCAGAGTGACGGAGCCGAGGACGCTCTTTTCATGGCGATTACCCAGATCCCTTCTGGAGCC
TTCTCCACCACCCCAAGCTGTTGAATAATAACCTGGCTGTCCAAGAGCTCTGAGCCTTTAGACTTGGG
GTCCAGGACCCCTGAGAGGACACACAGACTCAGCGCAGGTCAATGCATCAGTGGTTGAGAGGGGCTT
CCACCAGACCATGGGGTAAAGACTTCAGTCACTGGATGGCCGCCAGTAACAAAGACAAGAGGACAACAT
TAGGCGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001113371
Insert Size: 4491 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_001113371.1</u> , <u>NP_001106842.1</u>
RefSeq Size:	4985 bp
RefSeq ORF:	4491 bp
Locus ID:	84018
UniProt ID:	<u>O55207</u>
Cytogenetics:	1q11
Gene Summary:	Inositol 5-phosphatase; may be involved in membrane trafficking and signal transduction pathways [RGD, Feb 2006] Transcript Variant: This variant (1) encodes the longest isoform (1).