

Product datasheet for **RN200257**

Synj2 (NM_032071) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Synj2 (NM_032071) 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:	>RN200257 representing NM_032071 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGAGCAAAGGGCTGCGACTGCTGGCGCGGCTGGACCCACGGCCCGAGCAGCGTGCTGCTGG
AGGCGCGGGCCCGCGGACTGTCTACTTTGAGGCCGGCGCGGTGCCACGCTGGCTCCGGAAGAGAA
GGAAGTCATTAAGGACTGTATGGGAAGCCGACGGATGCCTATGGCTGCCTCGGGGAGCTGAGTTAAAA
TCCGGTGGCGTCCCTTGAGCTTTCTGGTGTGGTGACAGGCTGCACGTCAGTGGGCAGAAATCCAGATG
CAGAGATCTACAAAATCACTGGCACTGAGTTTTACCCCTGCAGGAAGAGGCCAAGGAAGAGGACCGCT
GCCAGCCTTGAAGAAAATCCTGAGTTCAGGGGTGTTCTATTTGCGATGGCCCAATGATGGCGCTGCTTC
GATCTGACCATCAGGGCTCAGAAACAGGGTGTGACTGCTCTGAATGGGGACCTCCTTCTTCTGGAACC
AGCTATTGCATGTGCTCTGCGGCAGCACCAGGTGAAGTGTGACTGGTTGCTGAAAGTCATCTGTGG
GGTGGTGACCATCCGCACGGTTTATGCCTCCACAAGCAGGCCAAGGCCTGTCTCATCTCTCGCATCAGC
TGTGAACGCGCAGGTGCTCGCTTCTCACCCGGGGTGTGAACGACGATGGCCACGTGCCAACTTTGTGG
AGACAGAGCAGGCGATTTACATGGATGATGGAGTGTGCTCCTTTGTCCAGATCCGAGGCTCCGTTCCGCT
GTTCTGGGAGCAGCCAGGCTCCAGGTTGGCTCCCATCATCTGAGACTGCACAGAGGCCTAGAGGCCAAC
GCCCTGCTTTTGAAGGCACATGGTGCTTCTGAAGGAGCAGTACGGGCAGCAGGTGGTGGTGAACCTGC
TGGGAAGCAGAGGCGGTGAGGAGGTGCTCAACAGAGCCTTCAAGAAGTTGCTCTGGGCTTCTTGCCACGC
AGGCGACACGCCTATGATAAATTTGACTTCCATCAGTTTGCCAAAGGTAGGAAGCTAGAGAAAATGGAG
AACCTGTTGAGACCTCAGTTAAACTACACTGGGATGACTTTGGCGTATTTGCGAAGGGCGAGAATGTAA
GTCCACGGTTTCAGAAAGGCACTCTGCGGATGAAGTGTCTGACTGTCTGGACAGAACCAACTGTACA
GTGCTTCATTGCTCTTGAGGTGCTTCAATCTGCAGCTTGAAGCCATGTTGCTGATGGGCATGGCCTGAGCAAGGTGTTACAG
GAGCAGGGCCCTGGAAGGAAAGGCCAAGGTGGGGAAGCTGAAGGATGGGGCTAGATCCATGTCTCGTAC
CATCCAGTCCAATTTCTCGACGGGTGAAGCAGGAGGCCATCAAGCTACTGCTAGTTGGAGATGTCTAC
AATGAAGAGTCTACAGACAAAGGCAGGATGCTGCTGGACAACACGGCCCTTCTGGGTTTGGGGTCAAATA
AACAAAACAGTCTTTAGGCATGCTGGATGGAAAAGCAACACCCAGGATCCTGAAGGCCATGACAGAACG
CCAGTCAGAAATTCACAAATTTCAAGCGGATCCAGATTGCTATGGGACCTGGAATGTGAACGGAGGAAAA



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CAATTCGGTAGCAATCTCCTGGGACCCTGAACCTCACTGACTGGCTCCTGGATGCACCCAGCTCTCAG
 GAGCAGTGGACTCTCAGGACGATGGCGGTCCCCTGACATATTTGCCGTGGGTTTGAGGAGATGGTGGA
 GCTGAGTGCAGGAAATATTGTCAATGCCAGCACCACCAACAGGAAGATGTGGGTGAGCAGCTCCAGAAA
 GCCATCTCCCGATCCCATCGGTACATCCTTTGACCTCAGCACAGCTGGTGGCGCTGTCTTTACATCT
 TTGTACGTCCGTACCACGTCCCCTTCATCAGGGATGTGGCCATCGACACCGTGAAGACCGGTATGGGGG
 AAAGCCAGGGAATAAGGGCGCCGTGGGTATCCGCTTTTCAGTCCACAGCACTAGCTTCTGCTTCATCTGC
 AGTCACCTGACGGCTGGCAGTCTCAGGTGAAGGAGAGGAACGAAGACTACCGGGAGATCACGCACAAGC
 TCTCCTTCCCTTCGGGGAGAAACATATTTTCACACGATTATGTGTTTTGGTGTGGCGATTCAACTACCG
 CATCGATCTTACTACGAAGAAGTCTTCTATTTTGTAAACGCCAAGACTGGAAGAACTTATGGAATTT
 GATCAGTTACAGCTACAGAAATCAAGTGGGAAAATTTTTAAAGACTTTTCATGAAGGAACCATTAACCTCG
 GACCCACCTACAAGTATGACGTTGGATCGGCTGCCTATGACACAAGTGACAAGTGCCGGACCCAGCCTG
 GACAGACAGGGTGTGTGGTGGAGGAAGAAGCATCCGTACGATAAGACAGCTGGCGAACTCAACCTTCTA
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 TGTGGGAGCCCGGAGAGAGTCTTCCAGGAAGTGTCTGTCCAAGGCCGCTGGACGCCACTGTTATT
 GTAACCTTCAGTCTCCAACCTTGAAGAGAGAAATGAATTTCCAGAGGACTGCCGACAGAACTTATGC
 AGACTTTGGGAATTATGGGACGATTATCTGGTCAAGGATCAACCAAGGGCAGATGCTGGTGACATTTGC
 AGACAGCCACTCAGTCTCAGTGTGCTGGATGTGGATGGTATGAAGGTGAAAGGCAGGGCCGTGAAGATT
 CGACCAAGACCAAGATTGGCTAGAAGGCTTGAGAGAGGAGCTCATTCCGAAGCGGGACAGCATGGCCC
 CTGTGTCTCCACCGCAACTCTGCTTGTGGAGGAGAACTTTGACTTCACAAGTCTGGACTATGAGTC
 AGAAGGGGATGTTCTTGAAGATGATGAAGACTACTTAGCGGATGAGTTTGGTCAGCCTGTAGTCTCAGAC
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 TGGCTAAAAAGAAGCAACATCCAACGTACAAAGCTGGCTTAATGGTGAAGAAGTCTGCCTCAGATCGCTC
 TATCTCCTCCGGAACCCACGGGCAATATCCATCTTGCAGACCGGAAACTTCTCCAGGACACCTCAG
 CAACCGCCAAGGCTCGAACTGGAATAAGTAAACCTTACAACTGCAAAACAGATCAAAACCAACATGCTC
 AGGAGGGCGAAGCAGCTATCCGGTGTCTCCTGGAAGCTGGCGGAGGTGTCCAGAGTCAAGCCCGGGTGC
 CACGCCCTGAGAAACCAAGGTCTTCTAAGCCAGAGGCTCCCTGGGGCCTCCAGTCTACCGCGCCGG
 CCTGTTCAAGGGTCCCACTATGAAGAAACCAACTTTGAGGAGAACAGGAAAGATCGTTTTCTGCTCTA
 GCTCACAAGCTTCTAACCTTGCTCACTGCTGCAAGACATGAGTTTGAAGGACAGTAGCCGCCAGAG
 ACTGACACCCGTAGATGCTTCCGGATCTCCGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_032071

Insert Size:

3747 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_032071.2](#), [NP_114460.1](#)

RefSeq Size: 5054 bp

RefSeq ORF: 3747 bp

Locus ID: 84018

UniProt ID: [O55207](#)

Cytogenetics: 1q11

Gene Summary: Inositol 5-phosphatase; may be involved in membrane trafficking and signal transduction pathways [RGD, Feb 2006]
Transcript Variant: This variant (3) lacks an internal coding exon and has an additional exon in the 3' region, as compared to variant 1. The resulting isoform (3) lacks an internal segment and has a shorter and distinct C-terminus, as compared to isoform 1.