

Product datasheet for **RR202677**

Synj2bp (NM_022599) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Synj2bp (NM_022599) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Synj2bp
Synonyms: Omp25
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR202677 representing NM_022599
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGGACGGGTGGATTATTTAGTCTCCGAGGAAGAGATCAACCTGACCAGAGGACCCTCGGGGCTGG
GCTTCAACATCGTCGGTGGGACAGATCAACAGTATGTCTCCAATGACAGTGGCATCTACGTCAGCCGCAT
CAAAGAGGATGGGGCTGCGGCCCGGATGGGCGGCTCCAGGAGGGTGATAAGATCCTCTCGGTAATGCC
CAAGACCTGAAGAACCTGTTGCACCAAGATGCCGTAGACCTCTCCGTAATGCAGGATATGCCGTGTCCC
TGAGAGTGCAGCACAGGTTACCAGTGCAGAATGGACCTATAGTTCATCGAGGCGACGGAGAGCCGAGTGG
AGTTCCTGTAGCTGTGGTCTGCTGCCAGTGTTCGCCCTTACCCTGGTAGCAGTTTGGGCCTTCGTGAGA
TACCGAAAGCAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202677 representing NM_022599
Red=Cloning site Green=Tags(s)

MNGRVDYLVSEEEINLTRGPSGLGFNIVGGTDQQYVSNDSGIYVSRIKEDGAAARDGRLQEGDKILSVNG
QDLKNLLHQDAVDLFRNAGYAVSLRVQHRLPVQNGPIVHRGDGEPSPGVPVAVVLLPVFALTLVAVWAFVR
YRKQL

TRTRPLEQK**L**ISEEDLAANDILDYKDDDDKV

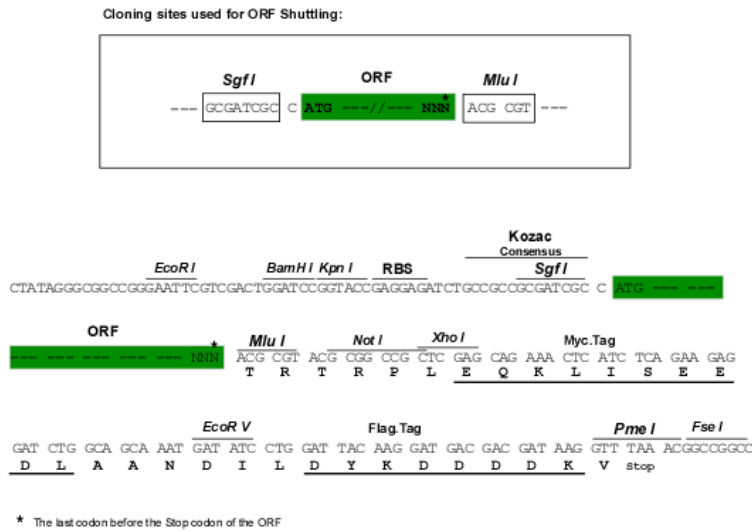
Chromatograms: https://cdn.origene.com/chromatograms/ja3723_a11.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022599

ORF Size: 435 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_022599.2](#), [NP_072121.2](#)

RefSeq Size: 5811 bp

RefSeq ORF: 438 bp

Locus ID: 64531

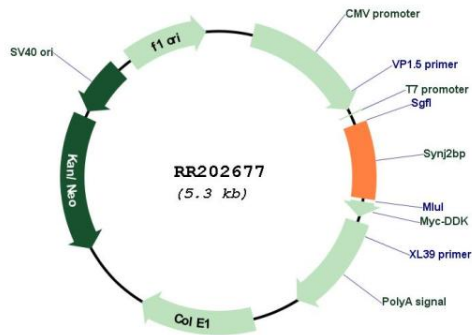
UniProt ID: [Q9WVJ4](#)

Cytogenetics: 6q24

MW: 15.8 kDa

Gene Summary: binds and recruits synaptojanin 2A to mitochondria; facilitates synaptojanin 2A mediated inositol phosphate modification activity that may regulate intracellular distribution of mitochondria [RGD, Feb 2006]

Product images:



Circular map for RR202677