

Product datasheet for **RN212984**

Synpo (NM_021695) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Synpo (NM_021695) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Synpo
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212984 representing NM_021695
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGTACTCAGAGGAAGCCAGTCTGCTGCGGCACCTGGAGAAGGTTGCCAGTGAGGAGGAAGAAG
 TACCATTGGTAGTTTACTTAAAGGAGAATGCAGCCCTGCTGACAGCTAATGGACTGCACCTGTCCCAGAA
 CCGAGAGACCCAGCAGTCTCACAAACCTCCTGAAACGGAGGAAGTGCCAGCCAGCTGCAGATATC
 AACAGAACCCCTCCTCTCCAATGCCACGCTCACACAGCAGCCTTAACAGCCACCACAACCAACCCA
 CCGCTGATGTCAATCAAAACCCCCAGCCACTATACCCCTGTCCAACAAAATTCATCTGAGACACAGTG
 TTCCCGAATGGCAGCTTGATTCAAACCCAACACTCCAAGCGTGATGATGGGAGCGCCCGGTGCCA
 GCAGAGGAAGTGAGTCCAGCATTCTCCTGATTGACAAGGTGCCGCTCCACCATCTGCCCCAGCCCT
 TCTCTAGAGAAGTACTCCCTCTCCAGCTCTGGGCCACCAGCTGCAGATCTCATGTCCAGCTCTCTGCT
 CATTGGCATGCAGCTAGCACCTAGTGGCATCAGCAGAAACAGAGGTGTCTGGACATGCAGCTGTACC
 ACGCCCACTAAGGTGTATAGTGAAGTACATCTCACACTAGCCAAGCCTGCATCCGTGGTCAACAGGACCG
 CCAGGCCATTTGGGATGCAGTCGCCAGGACTACCAGCCAGATAGAGCAAAGTCCATGATGGGAAGACG
 ACATTTTGGAGAGAAGGCTGGGCTCCCCAGCTAGCAGTATGGCGGATAGGAGTCCCAGCCACAGAGG
 CACATAATGGCCCGCAGTCCCATGGTAGAAAGGAGGCTGGTTGGGAGCGAAGCCCGGTTGTAGAGAGAC
 GCCCTTAGGAACTTTACCCACCCCCACCTATGCGGAGACTTTGTCAACAGCCCCCGTGGCTTCCCA
 GGTTAGTCTCCTCCCTTATTCTACTCTGTATCCCAGCTCTGACCCCAAGCCTCCCATTGAAGGGC
 CAGGTAGTTCCTGCCAACAGACAGGAATTTTGAAGAATCTATGGCACGCCGAGGCAGCCGAAATCAA
 TGTTACGTTTCGTGGAGAAGCCTAAGGTGACGCCGAATCCAGACTTGTGGACCTCGTGACACAGCTGA
 TGAGAAGCGGAGGCAGAGAGACCAAGGGGAGTGGGCATGGAAGACGAGCCCTTTGCCCTGGGAGCTGAG
 GCCTCAAACCTCCAGCAGGAGCCAATAGCTCGGGACAGGTCCGGCCCTGCGGCAGCTGAGGAGACTGTCC
 CTGAATGGGCTTCTGCCTCAAGTCAACCCGATCCAGGCTAAGCCGAAGCCCAAACCAACAGAAATCT
 CTCAGAGGCCCTCAGGGAAGGGGCTGAGCTCTATGCCCGCCGAGTACCGGATGGAGAAATACGTCATA
 GAGTCGTAGGCCATGCGGAATTGGCTCGCTGCCCTTACCTACTATGTCATTGCCTTATCCTGGAAGT
 ACACCACTAATGCCCTGGGGCTTCGAGTGGCTCCTAAGCCAGCGCGGACTCCGCTGCCTCTCT
 CTACCACGGCTATCTGCCAGAGAATGGAGTCTGCGCCAGAGCCTACCAAGCAGCAGCCACACCAGATG
 AGCCCTTCACTCTATGCTCTGTGCGCGGTCAAGGAACCTGCCAAGATCTCATCAGTGCCACCTCGTCAC
 GCGCTTGTACGCACTGTCTACCTCGTGTGCTCCCGGCCAAGCCTAGCTCCCTGGACCTGGTGCC
 CAACCTGCCAGAGCAGGCTCCACCGTCTCCTGCGCTTCTCGGCCTTCCCGCTCTCCCAAGCCCTC
 TACAATGCCCCAGTCCAGGACAGCCTCCAGCCACTGCCGTGAGCCCACTACAGCAGTGATATCTCCC
 CCGTGTCTCCCTCCAGGGCGTGGTCTCCTCGAGCCAAGCAGGCCCCAGGCCTTCTCTCCACCCGGAA
 TGCTGGGATCGAGGCCAGGTGTGGAACCTTCTTCTGCTTCAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_021695

Insert Size: 2079 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_021695.2](#), [NP_067727.2](#)

RefSeq Size: 2678 bp

RefSeq ORF: 2079 bp

Locus ID: 60324

UniProt ID: [Q9Z327](#)

Cytogenetics: 18q12.1

Gene Summary: may associate with actin to regulate cell shape; may play a role in synaptic plasticity [RGD, Feb 2006]