

## Product datasheet for MC224094

### Synpo2 (NM\_080451) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Synpo2 (NM\_080451) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Synpo2  
**Synonyms:** 1110069I04Rik; 2310068J10Rik; 9530006G20Rik; A1848603; Myo  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224094 representing NM\_080451  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGGCACCGGAGATTTTCATCTGCATTTCCATGACTGGAGGGGCGCCCTGGGGTTTCAGACTGCAAGGAG  
 GCAAGGAGGAGCAGCAGCCTTTGCAAGTTGCAAAGATTGCAAGCCAGAGCAAGGCGTCGGGCTCCGGGCT  
 GCGTGAGGGGGATGAAGTGGTGTCCATCAATGGCAACCCCTGTGCAGACCTTACTACCCTGAAGTCATC  
 AAGCTTATGGAAGGCATAACGGACTCTCTGCACCTTGCTTGTTAAAAGACCCTCTAGTGGAAACAAGTGAGA  
 CTTTGGATTCTGAATCAGAAACTACAAACCATCAACATCTTACACATGAGGGGCCCATGGAAAGTACCAC  
 CCTGCAGATTCAGCAAGCCACCGAGACCAGAGCGAAGACTTCTTTCTTGTCCAGTCCAGACTAAAAGTT  
 CCCCTAACTGAGGACCAAGCAATGCCTGGGGTTATGCAGAATGTCCAAAAGAAGAACAAGCTCCCCCGA  
 TGCTTGGCTCCAGGAAGGACACTTGGTAGAAGAGGTCATCTTAAGGCAAAAGGCAGAAGCAGGCCAGCC  
 AGGCCATGTGGTTGAGCTACAGCTGTCCCTCTCAAAGGAAAGACATCAATGCACCAGTGGCCCTATAGTG  
 ACTCTCCAGGGAAATGACAAATCCACGTCTCCAGACCCAGACTGGAGCTCACAACCTCGAGAGGACTGTCC  
 ACATAAATTCGATCCCTGCTCCTGAGAAAGCAGACACTTCTGACGTCCAGCACCTCCAGTGGCCGAGA  
 GTTGAGAGTGATCCAGGGAAGAGACCCAGGAGGCGCAGGCTGCCCCAGGTGGAAGTGATTCTAGATTGC  
 TCTGACAGGCTGAAGGCTGAAGAGTGCAGGCTGCAGACAGGAAGGGGGTGTGTGGCTTCTCCCGTGAAG  
 GAGGGCGGTGAGAAGCACCTCCTTCTCTGGTCTCCTTTGCGGTCTCGTCAGAAGGCACCGAGCACGGAGA  
 AGATCAACGCTCGGAAAGGATCAGAGCAGACCACACAAGCACCGTGCACGCCATGCTCGGCTCAGGAGG  
 AGTGAAAGTCTATCTGAAAAGCAAGTGAAAAGAAGCAAAGTCTAAGTGCAAAAGCATCGCCCTCCTCTAA  
 CGGATGCTCCCAACCAAACCTCAAGGGGGTGTGATGTTTAAAGAGCGGAGGCGGAGGGCCCGGAAGTA  
 CACCCTAGTCAGTTACGGTACTGGCGAGCTTGAGCGAGAGGAGGAGGAGGAGGACCAGGAAGCAGGT  
 GACAAGGACGAGATAAGTGAGGTTGCATTTCTTGAACCAAGTGCAGTGCAGGAGTGGATGAAGAGTTGCTGT  
 CTGACGTTGACGACAACACCCAAGTTGTGAACTTTGATTGGGATTCTGGACTGGTGGACATTGAAAAGAG  
 ACTCAACCGAGGGGACAAGATGGAAATGTTGCCAGACACCACAGGCAAGGGAGCGCTCATGTTTGCCAAG  
 AGGAGAGAGAGGATGGAACAGTTCACAGCCCAAATGAAGAGGAGAAGACGGGTGGGATGGCAGGTGGAG



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GACCGGATGCCCTGCAGACGGATGGTCTGAGAACCATGACTTCTTATCAGCGAAAAGAAGATCGGTAAG  
 AATGCAGAGCTCTGTGAGCGAAAGTTCCCTCCAGATGGGACGCAGTCTTGCCAGTGTGCCACAACAGAAT  
 GGCTTCAGTGGAGTGTGACAGACAGCAGGGGCCAGAGGATGTTCCCTATGAATAGAACCGCCAAACCCCT  
 TCCTGGGATCTATGAACCAGCCAGCAGCACCATTCTCCCAACGCGGAGTGTGACAAGTCCCATCTCTGA  
 CTTCCCGGCTCCGCCACCATACTCTGCGGTCTCACCTCCACCGGAAGCCTTCTCTAGGGGGTATCAAGC  
 CCAGTGGCTGGCCAGCACAGCCCCCTCCATGGCCCCAGCCTGCTCCGTGGTACAACCAGCCTTCTATG  
 ATTCATCTGAACAAATAGCTTCCCGGATGAGAGAATCGCAGTGCAGGCCCCAAAGAACGGGAATACTGCA  
 GGAAGCCAAAAGACGAGGCACAACAAAACCCATGTTTACTTTCAAAGAAACCAAAGTAAGCCCCAACCCC  
 GAACTCCTGTCACTTCTTCAAAATGCAGAAGGCAAGCGAGGCACTGGAGGGGACTCTGGGCCGAAGAAG  
 ACTACCTCAGTTTAGGCGCAGAGGCTTGTAACTTCATGCAGAGTCTGCCAAACAAAAGACCCCACCTCC  
 TGTCGCTCCAAAGCCTGCAGTCAAGTCCCCCTTCTCCCAACCGGTAGCCCCAGTTTCTCCAGTCTGG  
 TCTCCAGGAGTGGCTCCAGCCCAGCGTCTGCCTTCTCCACATCAAATCCACCGAACCCACCACAGGTCA  
 CTGCTGTGTCTCCATCAAATAGCTCAGCCTGCCGCCCTCCTGCCCGCCCGGAGTGCCTGAACT  
 GGCTGGTCTTCAAAGGTCCCCAAGCAGTAGTGGTCACTAATACTACAGCCCAAGCCATCAGCACCC  
 ACACCTTAGTAAATGCTGCTCCTGCTGGTGCAGGGGACCATCCAATGAGTCTCTGGAATGAGTGGGA  
 AAGGAGCCCAACTCTTCGCTAAAAGGCAGTCTAGGATGGAGAAGTATGGGTAGATTCCGACACAGTGA  
 GGCCACACAGTTCGGGGCCAGTCTCCCACTCCATCCCTGCCCGCCAGTTGGAAGTACTCTCCAACGTC  
 CGAGCACCCCCGCGCTGACCAATCCTATCCATTCCCCTCTTACCCACTGGCTGCTATCAAGTCTC  
 AACCACCGGTGCCAGGCTTCCAAAACGAGCAAGAAAAGGGCAAGAAACCTCTTAACACTTTGGATGT  
 CATGAAGCACCAACCGTATCAGTCAACGCGTCTTTGTTTACCTTTCAACCCCTGATTCAAAGGATGGC  
 CTCCTCAGAAGTCAACAGTCAAGTCAAGTTCAGCCCCGGCCATGAAGCAAGCCCTCCCTCCCCGGCAGG  
 CGAATGTTGGTCTCCCAAAATGCGCAGGCTTCTTCTGTACTCGGTACCAGCTTATACCTCTCAGCC  
 CAACTTCTTTGCCGCGGAGGCCACTTCCACCGTCAAGCCATCCCGGTGCTGTGAGTGTCCCCACTCT  
 CCAAAGCAAGAAATCGACCTCCACATCCTATTTTGGTCCAAAGGCCAAGTTCTCAGCCAAGAAAAGTG  
 GGGTACAGTTACAGGAGAACGGGCGCTCCCTTCTCCTCGAAGATCGGCCCGCCATCATTCTGCT  
 ATCTCCCTGGCTGTACCAGTCTGCTTGAATTACTCCAGCAAACCAACCTTCGAGCTGGAGAAAGCTAAC  
 AAGAGACCGACACCTTGGGAAGCAGCAGCCAGTCCCCTCTCGGTCTAGTGGATGACGCCTTCAGACCTA  
 GGAACATCCAGGAATCCATCGTGGCACATGTAGTCTCCGACGCTCGGAGGAAGGTGTCTCCAGGTCCTCA  
 AGAGGACTGGAAAGAGAGACTGCTTTGTCCCTCAAACCTCAGAAGACCAACATGAGCTTTTCGGAAAGG  
 CAAGAGTATCCTGCCCGTCCCCAGTCAACAGCCATGTGTCTAGCCACTCCTTATATAGTTCAGGTTGC  
 CATATGTGTGTTATAGGCAGGAGTCCAGAAATGATTTGAAAACGATGTCCATGGAGACTAGTCTGAATA  
 TTGCTTCCATTGGGTGGTTATGACTATAACCCACACCAAGGGGGTGGAGACAACAACCGTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-RsrII

**ACCN:**

NM\_080451

**Insert Size:**

3774 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\\_080451.2](#), [NP\\_536699.2](#)

**RefSeq Size:** 7116 bp

**RefSeq ORF:** 3774 bp

**Locus ID:** 118449

**Cytogenetics:** 3 G1