

Product datasheet for MR216266

Synpo2 (NM_080451) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Synpo2 (NM_080451) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Synpo2
Synonyms:	1110069I04Rik; 2310068J10Rik; 9530006G20Rik; A1848603; Myo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216266 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCACCGGAGATTTTCATCTGCATTTCCATGACTGGAGGGCGCCCTGGGGTTTCAGACTGCAAGGAG
GCAAGGAGGAGCAGCAGCCTTTGCAAGTTGCAAGATTCGAAGCCAGAGCAAGGCGTCGGGCTCCGGGCT
GCGTGAGGGGGATGAAGTGGTGTCCATCAATGGCAACCCCTGTGCAGACCTTACTTACCCTGAAGTCATC
AAGCCTATGGAAGGCATAACGGACTCTCTGCATTGCTTGTAAAAGACCCTCTAGTGGAAACAAGTGAGA
CTTTGGATTCTGAATCAGAACTACAAACCATCAACATCTTACACATGAGGGGCCATGGAAAGTACCAC
CCTGCAGATTCAGCAAGCCACCGAGACCCAGAGCGAAGACTTCTTTCTTGCTCCAGTCCAGACTAAAGTT
CCCCTAACTGAGGACAAAGCAATGCCTGGGGTTATGCAGAATGTCCAAAAGAAGAACAAGCTCCCCGA
TGCTTGCTCCAGGAAGGACACTTGGTAGAAGAGGTCATCTTAAGGCAAAGGCAAGCAGGCGCAGCC
AGGCCATGTGGTTGAGCTACAGCTGTCCCTCTCAAAGGAAAGACATCAATGCACCAGTGGCCCTATAGTG
ACTCTCCAGGGAAATGACAAATCCACGTCTCCAGACCCAGACTGGAGCTCACAACCTCGAGAGGACTGTCC
ACATAAATTCGATCCCTGCTCCTGAGAAAGCAGACACTTCTCTGACGTCCAGCACCTCCAGTGGCCGAGA
GTTGAGAGTGATCCAGGAAGAGACCCAGGAGGCGCAGGGCTGCCCCAGGTGGAAGTGATTCTAGATTGC
TCTGACAGGCTGAAGGCTGAAGAGTGCAGGCTGCAGACAGGAAGGGGGTGTGTGGCTTCTCCCGTGAAG
GAGGGCGGTGAGAAGCACCTCCTTCTCTGGTCTCCTTTGCGGTCTCGTCAAGAAGCACCGACGACGGAGA
AGATCAACGCTCGGAAAGGATCAGAGCAGACCACACAAGCACCGTGCACGCCATGCTCGGCTCAGGAGG
AGTGAAAGTCTATCTGAAAAGCAAGTGAAGAAGCAAAGTCTAAGTGCAAAGCATCGCCCTCCTCCTAA
CGGATGCTCCCAACCCAAACTCCAAGGGGGTGTGATGTTAAGAAGCGGAGGCGGAGGGCCCGAAGTA
CACCTAGTCAGTTACGGTACTGGCGAGCTTGAGCGAGAGGAGGAGGAGGAGGAGGACCAGGAAGCAGGT
GACAAGGACGAGATAAGTGAGGTTGCATTTCTTGAACCAAGTGTGAGTGGGAGTGGATGAAGAGTTGCTGT
CTGACGTTGACGACAACACCAAGTTGTGAACCTTGTGAGTGGGATCTGGACTGGTGGACATTGAAAAGAG
ACTCAACCGAGGGGACAAGATGGAATGTTGCCAGACACCACAGCAAGGAGCGCTCATGTTTGCCAAG



[View online »](#)

AGGAGAGAGAGGATGGAACAGTTCACAGCCAAAATGAAGAGGAGAAGACGGGTGGGATGGCAGGTGGAG
GACCGGATGCCCTGCAGACGGATGGTCTGAGAACCATGACTTCTTATCAGCGAAAAGAAGATCGGTAAG
AATGCAGAGCTCTGTGAGCGAAAGTTCCCTCCAGATGGGACGCAGTCTTGCCAGTGTGCCACAACAGAAT
GGCTTCAGTGGAGTGTGACAGACAGCAGGGGCCAGAGGATGTTCCCTATGAATAGAACCGCCAAACCTT
TCCTGGGATCTATGAACCAGCCAGCAGCACCATTCTCCCAACCGGAGTGTGACAAGTCCCATCTCTGA
CTTCCCGGCTCCGCCACCATACTCTGCGGTCTCACCTCCACCGGAAGCCTTCTCTAGGGGGTATCAAGC
CCAGTGGCTGGCCAGCACAGCCCCCTCATGGCCCCAGCCTGCTCCGTGGTCAACAACCAGCCTTCTATG
ATTCATCTGAACAAATAGCTTCCCGCATGAGAGAATCGCAGTGC CGGCCAAAAGAACGGGAATACTGCA
GGAAGCCAAAAGACGAGGCACAACAAAACCCATGTTTACTTTCAAAGAAAACAAAGTAAGCCCCAACCC
GAACTCTGTCACTTCTTCAAAATGCAGAAGGCAAGCGAGGCACTGGAGGGGACTCTGGGCCGAAGAAG
ACTACCTCAGTTTAGGCGCAGAGGCTTGTAACTTCATGCAGAGTCTGCCAAAACAAAAGACCCCACTCC
TGTCGCTCAAAGCCTGCAGTCAAGTCCCCCTTCTCTCCAACCGGTAGCCCCAGTTCCTCCAGTCTGG
TCTCCAGGAGTGGCTCCAGCCAGCGTCTGCCTTCTCCACATCAAATCCACCGAACCCACCACAGGTCA
CTGCTGTGTCTCCATCAAATAGCTCAGCCTGCCGCCCTCTGCCCGGCCCGGAGTGCCTGAACT
GGCTGGTCTTCAAAGTCCCCAAGCAGTAGTGGTCACTAATACTACAGCCCAAGCCATCAGCACCC
ACACCATAGTAAATGCTGCTCCTGCTGGTGCAGGGGGACCATCCAATGAGCTTCTGGAATGAGTGGGA
AAGGAGCCAACTCTTCGCTAAAAGGCAGTCTAGGATGGAGAAGTATGTGGTAGATTCCGACACAGTGA
GGCCACACAGTTCGGGCCAGTCTCCCACTCCATCCCTGCCCGCCAGTTGGAAGTACTCCTCAAACGTC
CGAGCACCCCCGCGCTGCCTACAATCCTATCCATCCCCCTTACCCTGGCTGCTATCAAGTCTC
AACCACCGGTGCCAGGCTTCCAAAACGAGCAAGAAAAGGGCAAGAAACCTCTAACACTTTGGATGT
CATGAAGCACCAACCGTATCAGTCAACGCGTCTTTGTTACCTTTCAACCCCTGATTCAAAGGATGGC
CGAATGTTGGTCTCCCAAAATGCGCAGGCTTCTTCTGTGTACTCGGTACCAGTTATACCTCTCAGCC
CAACTTCTTTGCCGCGGAGGCCACTTCAACCGTCAAGCGCATCCCCGGTGCCTGTGAGTGTCCCCACTCT
CCAAAGCAAGAATCGACCTCCACATCCTATTTTGTGGCTCCAAGGCCAAGTTCTCAGCCAAGAAAAGT
GGGTACAGTTCAGGAGAACGGGCGCTCCCTTCTCTCCCTGGAAGATCGGCCCGCCCATCATTCTGC
ATCTCCCTGGCTGTACCAGTCTGCTTGAATTACTCCAGCAAACCAACCTTCGAGCTGGAGAAAGCTAAC
AAGAGACCGACACCTTGGGAAGCAGCAGCCAGTCCCCTCTCGGTCTAGTGGATGACGCCTTCAGACCTA
GGAACATCCAGGAATCCATCGTGGCACATGTAGTCTCCGAGCTCGGAGGAAGGTGTCTCCAGGGTCCCA
AGAGGACTGGAAGAGAGACTGTCTTTGTCCCTCAAACCTCAGAAGACCAACATGAGCTTTTCGAAAGG
CAAGAGTATCCTGCCCGTCCCCAGTCAACAGCCATGTGTCTAGCCACTCCTTATATAGTCCCAGTTGC
CATATGTGTGTTATAGGCAGGAGTCCAGAAATGATTTGAAAACGATGTCCATGGAGACTAGGTCTGAATA
TTGCTTCCATTGGGTGGTTATGACTATAACCCACACCCAAGGGGGTGGAGACAACAACCG

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216266 protein sequence
 Red=Cloning site Green=Tags(s)

MGTGDFICISMTGGAPWGFRLQGGKEEQPLQVAKIRSQSKASGSLREGDEVVSINGNPCADLTYPEVI
 KPMEGI TDSLHLLVKRPSSGTSETLDSESETTNHQHL THEGPMESTTLQIQATETQSEDFFLAPVQTKV
 PLTEDQSNAWGYAECPKKEEQAPPMLGSQEGHLVEEVILRQKAEAGQPGHVVELQLSLSKERHQCTSGPIV
 TLQGNKSTSPDPDWSSQLERTVHINSIPAPEKADTSLTSSTSSGRELVIQGRDPGGAGLPQVEVILDC
 SDRLKAEECRLQTGRGCVASPVEGGRSEAPPSLVSFVAVSSEGTEHGEDQRSKGDQSRPHKRRARHARLRR
 SESLSEKQVKEAKSKCKSIALLLTDAPNPNSKGVLMFKKRRRRRARKYTLVSYGTGELEREEEEEDQEAG
 DKDEISEVAFLGTSESEVDEELLSDVDDNTQVVNFDWDSGLVDIEKRLNRGDKMEMLPDTTGKGALMFAK
 RRERMEQFTAQNEEKTGGMAGGGPDALQTDGLRTMTSYQRKEESVRMQSSVSESSFQMGRLASVPPQN
 GFGSVSETAGAQRMFPMNRTAKPFLGSMNQPAAPFSPTRSVTSPI SDFPAPPYSAVSPPEAFSRGVSS
 PVAGPAQPPWPQPAPWSQPAFYDSSEQIASRDERIAVPAKRTGILQEAKRRGTTKPMFTFKETKVPSPNP
 ELLSLLQNAEGKRGTGGDSGPEEDYLSLGAECNFMQSSAKQKTPPPVAPKPAVKSPSSSQPVAPVSPVW
 SPGVAPAQRPAFSTSNPPNPQVAVSSIKIAQPAAPPARPASALNLAGPFKGPQAVVSHNYTPKPSAP
 TPLVNAAPAGAGGPSNELPGMSGKAQLFAKRQSRMEKYVVDSDTVQAHTVRAQSPTPSLPASWKYSSNV
 RAPPVAYNPIHSPSYPLAAIKSQPPGAQASKTSKKKGKPLNLDVMKHQPYQLNASLFTFQPPDSKDG
 LPQKSTVKVSSAPAMKQALPPRQANVGSPTNAQASSVYVPAYTSQPNFFAAEATSPVSAVSPVSVPTS
 PKQESTSTSYFVAPRPKFSAKKSGVTVQENGRSLSLPGRSAPP I I SASPWLYQSACNYSSKPTFELEKAN
 KRPTPWEEAARSPLGLVDDAFRPRNIQESI VAHVVSAARRKVPSPGSQEDWKERLSFVPTQKTNMSFSER
 QEYPAPSPVNSHVSSHLYSSQLPYVCYRQESRNDLKTMSMETRSEYCLPLGGYDYNPHPRGWRQQP

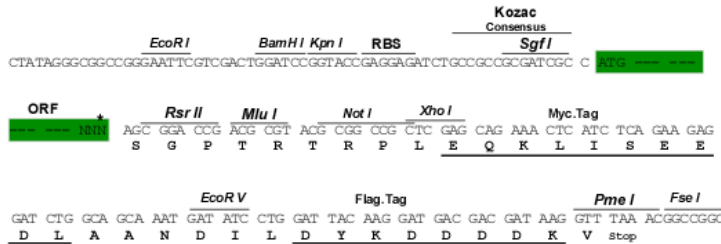
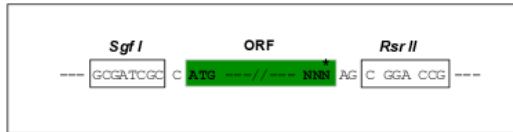
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shutting:

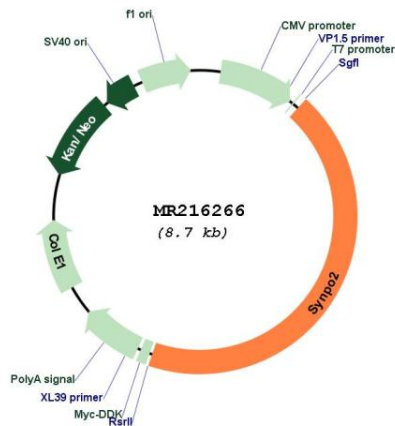


* The last codon before the Stop codon of the ORF

ACCN: NM_080451

ORF Size: 3774 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:	<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_080451.2</u> , <u>NP_536699.2</u>
RefSeq Size:	7116 bp
RefSeq ORF:	3774 bp
Locus ID:	118449
Cytogenetics:	3 G1
MW:	135.7 kDa

Product images:


Circular map for MR216266