

## Product datasheet for **MR215490**

### Synpo (NM\_177340) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Synpo (NM_177340) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Synpo
Synonyms:	9030217H17Rik; 9130229N11; 9330140I15Rik; AW046661
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR215490 representing NM\_177340  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGGTACTCAGAGGAAGCCAGTCTGCTGCGGCATCTGGAGAAGGTTGCCAGTGAGGAAGAGGAAG  
 TGCCATTGGTAGTTTATTTAAAGGAGAATGCAGCCCTGCTGACAGCCAATGGGCTACACCTGTCGAGAG  
 CCGAGAGACCCAGCAGTCTCACAAACCTCCCGACACTGAAGTACCCAGTCCAGCTGCAGATATCAAC  
 CAGAACCCTCCTCACCTAATGCCACACTCACCACACTAGCCTCTAGCAGTACCACAGTCCAGCCACCG  
 CTGATATCAACAAAACCTCCAGCCGCCATCACCCCTGTCCACAGAATTCATCCAGGCACAGTGCTC  
 CCCGAATGGCACACTTGATTCCAACCCGGCAGTCTGTGTGCTGATGATGGGCAGTCCCCGGTGCCGGCA  
 GAGGAGGTGAGATCCAGCATTCTTTGATTGACAAGGTGTAGCTCCACCTTCTGCCGCCAGCACCTTCT  
 CTAGAGAAGCCAGCCCCCTCCAGCTCTGGGCCGCCAGCGGCAGATCTCATGTCCAGCTCCCTGCTCAT  
 TGACATGCAGCCTAGCACCTAGTGGCACCAGCAGAACAAGAGGTGCCTGGCCATGTAGCTGCACCAG  
 CCCACTAAGGTGTATAGTGAAGTACATCTCACACTAGCCAAGCCTGCATCCGTGGTCAACAGGACCGCCA  
 GGCCTTTTGGGATCCAGTCGCCAGGGACCAGCCAGATAGAGCAAAGCCCCATGATGGGAAGACGACAGTT  
 TGGAGAGAAGGCCTGGGCTCCTCCTGCTAGCAGTATGGCGGATAGGAGTCCCCAGCCACAGAGGCACATA  
 ATGTCCCAGCTCCCATGGTGGAAAGGAGACTGCTTGGGCAGCGAAGCCCGGTCTAGAGAGACGCCCTT  
 TAGGAAATTTACCCACCCCCACCTATGCGGAGACTTTGTCAACAGCCCTGTGGCTTCTCGGTTAG  
 GTCTCCCCCTCTTACTCACTCTGTATCCAGCTCTGACCCAAAGCCTTCCATTTGAAAGGTGAGTA  
 GCCCTGCCAACAAAGACAGGAATTTTGAAGAATCTATGGCACGCCGAGGCAGCCGAAAATCAATGTTCA  
 TTTTCGTGGAGAAGCCAAAGGTGACCCCGAATCCAGATTTGCTGGACTAGTGCAGACAGCTGATGAGAA  
 GCGGAGGCAGAGAGACCACGGGGAGGTGGGCATGGGAAGAAGAGCCCTTTGCCCTGGGAGCTGAGGCCTCC  
 AACTTCCAGCAGGAGCCAATAGCTCGGGACAGGGCCAGCCCTGCGGCAGCTGAGGAAGCTGTCCCTGAGT  
 GGGCCTCTTGCCTCAAGTCAACCCGATCCAGGCCAAGCCGAAGCCAAACCCAATCAGAACCTCTCGGA  
 AGCCTCAGGGAAGGGGGCTGAGCTCTATGCCCGCCGAGTACCGGATGGAGAAATACGTATAGAGTCT  
 TCAGGCCATGCCGAATGGCCCGCTGCCCTTACCTACCATGTCCTGCCTTATCCTGGAAGTACACCA  
 CTAACGCCCTGGGGCTTCCGAGTGGCATCCTTAAGTCCAGCGCGGACCCCGCTGCCTCTCTACCA  
 CGGCTATCTGCCAGAGAATGGAGTCTGCGCCCTGAACCTACCAAGCAGCAGCCATACCAGATGCGGCCCT  
 TCCCTCTATGCTCTGTGCCCGTCAAGGAACCTGCCAAGGCCTCATCGCGTGCCACCTCATCGCGACTC  
 CATCACGCACTGTCTCACCTCGAGCTGCCTCCCGGCCAAGCCTAGCTCTCTGGACCTGGTGCCCAACCT  
 GCCCAGAGCAGGCCTCCCACCATCTCCTGCTCTGCCTCGGCCCTCCCGCTCCTCCCAGGCCTTACACT  
 GCCCAGTCCAAGACAGCCTCCAGCCACTGCCGTGAGTCCCCTTACAGCAGTATATCTCCCCGTGT  
 CTCCCTCCAGGGCGTGGTCTCCTCGAGCCAAGCAGGCTCCAGGCCTTCTTCTCCACCCGGAATGCTGG  
 GATCGAGGCCAGGACCGCCCGGAGAGCCTGCCACGTCCCCGCCTGGACGCCGGCCGCTTCCCGGCT  
 CCTAGCAGCCTGGACGGCTGGGTGAGCCCGGGCCGTGGAGCCGGGCCGCGGGAGCAGCATGAGCAGCC  
 CTCCGCCGCTGCCGCCGCTCCACCAATGTCCCCTCGTGGAGCGAGCGCTCCGTCTCCCGCTGCGATC  
 GGAGACCGAGGCGCGCCCGGAGCCGAGTGCAGGCCTTCTGGCGCGCAACATCATCAACCGGGCC  
 CGGCGCAAGAGCGCTCCCGCGGCCAGCGCCGCTGAGACCCTGCGGCCCTTTCCCGCCGACGGGGC  
 CGCCGCCCGCGCGCGCATGCGCTCTCCGAGCCAGCCAGCCCTGCCCGTAACCTCCGTGGAGTGC  
 TTTCTCTCCATCCCGCGGAGCCGTTGCCATCGGACCTTCTTCTGTGCTAGTCCCGGAGTCTCAA  
 GCCGCGCGTCCAGGCCTTTTCCCTACCGCGCTCACCCACAGACTCCGACGTGTCTCTCGACTCCGAGG  
 ATTCTGGGCTAAGTCCCTGGCATCCTCGGCTACAACATCTGTCTCGGGGCTGGAATGGCAGCCTGAG  
 GCTCAAGCGTGGTAGTCTCCCCACCGAGGCCTCTGCACCACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215490 representing NM\_177340  
 Red=Cloning site Green=Tags(s)

MEGYSEEASLLRHLEKVAEEEEVPLVVYLKENAALLTANGLHLSQSRETQQSSPNPPDTEVPSPAADIN  
 QNPSSPNATLTTLASSSHSQPTADINQNPAAITPVPQNSSQAQCSPNGTLDKPGTLCADDGQSPVPA  
 EEEVRSILLIDKVSAPPSAASF SREATPLSSSGPPAADLMSSLLIDMQPSTLVAPAEQEVPGHVAVTT  
 PTKVYSEVHLTLAKPASVVNRTARPFGIQSPGTSQIEQSPMMGRRQFGEKAWAPPASSMADRSPQQRHI  
 MSRSPMVERRLLGQRSPVLEERRPLGNFTPPPTYAETLSTAPVASRVRSPPSYSTLYPSSDPKPSHLKQV  
 APANKTGILEESMARRGSRKSMFTFVEKPKVTPNPDLLDLVQTADKRRQRDHGEVGMEEEPFALGAEAS  
 NFQQEPIARDRASPAAAEAVPEWASCLKSPRIQAKPKPNQNLSEASGKGAELYARRQSRMEKYVIES  
 SGHAELARCPSTMSLPSSWKYTTNAPGGFRVASLSPARTPPASLYHGYLPENGLRPEPTKQQPYQMRP  
 SLYALSPVKEPAKASSRATSSRTPSRTVSPRAASPAKPSLDPVNLPRAGLPPSPALPRPSRSSPGLYT  
 APVQDSLQPTAVSPTYSSDISPVSPRAWSPRAKQAPRPSFSTRNAGIEAQDRPESLTPSPWPTPAASRP  
 PSSLDGWVSPGPWEPRGSSMSSPPPLPPPPMSPSWSERSVSPLRSETEARPPSRQLQALLARNINAA  
 RRSASPRPAPAEATLRPFSPQGPMPARMRSPQPASARNFRGAASFIPRSPLPIGSSCASPRSPQ  
 AAPSRRFPYRRSPTSDVSLDSEDSGLKSPGILGYNICPRGWNGSLRLKRGSLPTEASCTT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/ja2998\\_a01.zip](https://cdn.origene.com/chromatograms/ja2998_a01.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

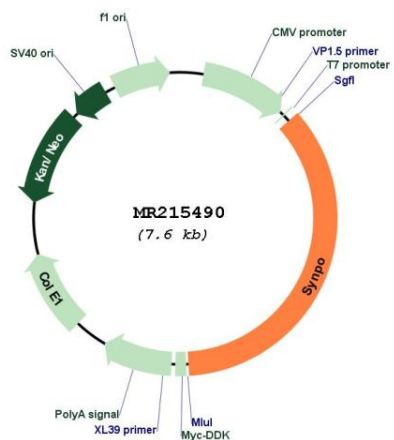


\* The last codon before the Stop codon of the ORF

ACCN: NM\_177340

<b>ORF Size:</b>	2706 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_177340.2</a> , <a href="#">NP_796314.2</a>
<b>RefSeq Size:</b>	5012 bp
<b>RefSeq ORF:</b>	2706 bp
<b>Locus ID:</b>	104027
<b>Cytogenetics:</b>	18 D3
<b>MW:</b>	96.3 kDa

Product images:



Circular map for MR215490