

Product datasheet for **MG215490**

Synpo (NM_177340) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Synpo (NM_177340) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Synpo
Synonyms:	9030217H17Rik; 9130229N11; 9330140I15Rik; AW046661
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG215490 representing NM_177340
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGTACTCAGAGGAAGCCAGTCTGCTGCGGCATCTGGAGAAGGTTGCCAGTGAGGAAGAGGAAG
 TGCCATTGGTAGTTTATTTAAAGGAGAATGCAGCCCTGCTGACAGCCAATGGGCTACACCTGTCGAGAG
 CCGAGAGACCCAGCAGTCTCACAAACCTCCCGACACTGAAGTACCCAGTCCAGCTGCAGATATCAAC
 CAGAACCCTCCTCACCTAATGCCACACTCACCACACTAGCCTCTAGCAGTACCACAGTCCAGCCACCG
 CTGATATCAACAAAACCTCCAGCCGCCATCACCCCTGTCCACAGAATTCATCCAGGCACAGTGCTC
 CCCGAATGGCACACTTGATTCAAAACCCGGCACTCTGTGTGCTGATGATGGGCAGTCCCGGTGCCGGCA
 GAGGAGGTGAGATCCAGCATTCTTTGATTGACAAGGTGTGAGTCCACCTTCTGCCGCCAGCACCTTCT
 CTAGAGAAGCCAGCCCTCTCCAGCTCTGGGCCGCCAGCGGCAGATCTCATGTCCAGCTCCCTGCTCAT
 TGACATGCAGCCTAGCACCTAGTGGCACCAGCAGAACAAGAGGTGCCTGGCCATGTAGCTGCACCAG
 CCCACTAAGGTGTATAGTGAAGTACATCTCACACTAGCCAAGCCTGCATCCGTGGTCAACAGGACCGCCA
 GGCCTTTTGGGATCCAGTCGCCAGGGACCAGCCAGATAGAGCAAAGCCCCATGATGGGAAGACGACAGTT
 TGGAGAGAAGGCCTGGGCTCCTCCTGCTAGCAGTATGGCGGATAGGAGTCCCCAGCCACAGAGGCACATA
 ATGTCCCAGCTCCCATGGTGGAAAGGAGACTGCTTGGGAGCGAAGCCCGGTCTAGAGAGACGCCCT
 TAGGAAATTTACCCACCCCCACCTATGCGGAGACTTTGTCAACAGCCCTGTGGCTTCTCGGTTAG
 GTCTCCCCCTCTACTCCACTGTATCCAGCTGTACCCCAAGCCTTCCATTTGAAAGGTGAGGTA
 GCCCTGCCAACAAAGACAGGAATTTTGAAGAATCTATGGCAGCCGAGGAGCCGAAATCAATGTTCA
 TTTTCGTGGAGAAGCCAAAGGTGACCCCGAATCCAGATTTGCTGGACTAGTGCAGACAGCTGATGAGAA
 GCGGAGGCAGAGAGACCACGGGGAGGTGGGCATGGGAAGAAGAGCCCTTTGCCCTGGGAGCTGAGGCCTC
 AACTTCCAGCAGGAGCCAATAGCTCGGGACAGGGCCAGCCCTGCGGCAGCTGAGGAAGCTGTCCCTGAGT
 GGGCTCTTGCTCAAGTCAACCCGATCCAGGCCAAGCCGAAGCCAAACCCAATCAGAACCCTCTCGGA
 AGCCTCAGGGAAGGGGCTGAGCTCTATGCCCGCCGAGTACCGGATGGAGAAATACGTATAGAGTCT
 TCAGGCCATGCCGAATGGCCCGCTGCCCTTACCTACCATGTCCCTGCCTTATCCTGGAAGTACACCA
 CTAACGCCCTGGGGCTTCGAGTGGCATCCTTAAGTCCAGCGCGGACCCCGCTGCCTCTCTACCA
 CGGCTATCTGCCAGAGAATGGAGTCTGCGCCCTGAACCTACCAAGCAGCAGCCATACCAGATGCGGCCCT
 TCCCTCTATGCTCTGTGCCCGTCAAGGAACCTGCCAAGCCCTCATCGCGTGCCACCTCATCGCGACTC
 CATCACGCACTGTCTCACCTCGAGCTGCCTCCCGGCCAAGCCTAGCTCTCTGGACCTGGTGCCCAACCT
 GCCCAGAGCAGGCCTCCACCATCTCCTGCTCTGCCTCGGCCCTCCCGCTCCTCCCGAGGCCTTACACT
 GCCCAGTCCAAGACAGCCTCCAGCCACTGCCGTGAGTCCCCTTACAGCAGTATATCTCCCCCGTGT
 CTCCCTCCAGGGCGTGGTCTCCTCGAGCCAAGCAGGCTCCAGGCCTTCTTCTCCACCCGGAATGCTGG
 GATCGAGGCCAGGACCGCCGGAGAGCCTGCCACGTCCCGCCCTGGACGCCGGCCGCTTCCCGGCT
 CCTAGCAGCCTGGACGGCTGGGTGAGCCCGGGCCGTGGGAGCCGGCCGCGGGAGCAGCATGAGCAGCC
 CTCCCGCCTGCCGCGCCTCCACCAATGTCCCCTCGTGGAGCGAGCGTCCGTCTCCCGCTGCGATC
 GGAGACCGAGGCGCGCCCGGAGCCGAGTGCAGGCGCTTCTGGCGGCAACATCATCAACCGGCC
 CGGCGCAAGAGCGCTCCCGCGGCCAGCGCCGCTGAGACCCTGCGGCCCTTTCCCGCCGCGAGGGC
 CGCGCGCCGCGCGCGCATGCGCTCTCCGAGCCAGCCAGCCCTGCCCGTAACCTCCGTGGAGTGC
 TTTCTCTCCATCCCGGGAGCCGTTGCCATCGGACCTTCTTCTGTGCTAGTCCCGGAGTCTCAA
 GCCGCGCCTCCAGGCCTTTTCCCTACCGCGCTCACCCACAGACTCCGACGTGTCTCTCGACTCCGAGG
 ATTCTGGGCTTAAGTGCCTGGCATCCTCGGCTACAACATCTGTCTCGGGGCTGGAATGGCAGCCTGAG
 GCTCAAGCGTGGTAGTCTCCCGAGGCCTCCTGCACCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215490 representing NM_177340
 Red=Cloning site Green=Tags(s)

MEGYSEEASLLRHLEKVAEEEEVPLVVYLKENAALLTANGLHLSQSRETQQSSPNPPDTEVPSPAADIN
 QNPSSPNATLTTLASSSHHSQPTADINQNPAAITPVQNSSQAQCSPNGTLDSKPGTLCADDGQSPVPA
 EEVRSSILLIDKVSAPPSAASTFSREATPLSSSGPPAADLMSSLLIDMQPSTLVAPAEQEVPGHVAVTT
 PTKVYSEVHLTLAKPASVVNRTARPFGIQSPGTSQIEQSPMMGRRQFGEKAWAPPASSMADRSPQQRHI
 MSRSPMVERRLLGQRSPVLERPLGNFTPPPTYAETLSTAPVASRVRSPPSYSTLYPSSDPKPSHLKGQV
 APANKTGILEESMARRGSRKSMFTFVEKPKVTPNPDLLDLVQTADEKRRQRDHGEVGMEEEPFALGAEAS
 NFQQEPIARDRASPAAAEEAVPEWASCLKSPRIQAKPKPNQNLSEASGKGAELYARRQSRMEKYVIES
 SGHAELARCPSTMSLPSSWKYTTNAPGGFRVASLSPARTPPASLYHGYPENGLRPEPTKQQPYQMRP
 SLYALSPVKEPAKASSRATSSRTPSRTVSPRAASPAKPSLDLVPNLPRAGLPPSPALPRPSRSSPGLYT
 APVQDSLQPTAVSPTYSSDISPVSPRAWSPRAKQAPRPSFSTRNAGIEAQDRPESLTPSPWPAAASRP
 PSSLDGWVSPGPWEPRGSSMSSPPPLPPPPMSPSWERSVSPLRSETEARPPSRQLQALLARNINAA
 RRSASPRPAPAETLRPFSPQPPPPARMRSPQPASPARNFRGAASFIPRSPLPIGSSCASPRSPQ
 AAPSRFPFYRRSPTSDSDVSLDSEDSGLKSPGILGYNICPRGWNGSLRLKRGSLPTEASCTT

TRTRPLE - GFP Tag - V

Restriction Sites:

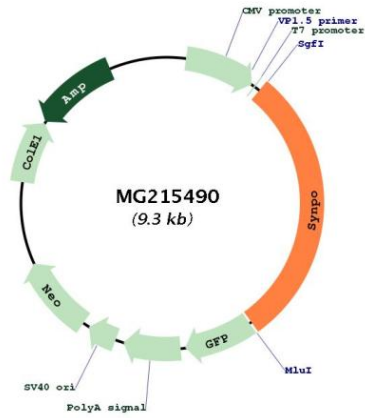
SgfI-MluI

Cloning Scheme:



ACCN:	NM_177340
ORF Size:	2703 bp
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
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_177340.2, NP_796314.2</u>
RefSeq Size:	5012 bp
RefSeq ORF:	2706 bp
Locus ID:	104027
Cytogenetics:	18 D3

Product images:



Circular map for MG215490