

Product datasheet for **MR215248**

Synpo (NM_001109975) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Synpo (NM_001109975) 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:

>MR215248 representing NM_001109975
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGGTACTCAGAGGAAGCCAGTCTGCTGCGGCATCTGGAGAAGGTTGCCAGTGAGGAAGAGGAAG
 TGCCATTGGTAGTTTATTTAAAGGAGAATGCAGCCCTGCTGACAGCCAATGGGCTACACCTGTCGAGAG
 CCGAGAGACCCAGCAGTCTCACAAACCTCCCGACACTGAAGTACCCAGTCCAGCTGCAGATATCAAC
 CAGAACCCTCCTCACCTAATGCCACACTACCACACTAGCCTCTAGCAGTACCACAGTCCAGCCACCG
 CTGATATCAACAAAACCTCCAGCCGCCATCACCCCTGTCCACAGAATTCATCCAGGCACAGTGCTC
 CCCGAATGGCACACTTGATTCAAAACCCGGCAGTCTGTGTGCTGATGATGGGCAGTCCCCGGTCCCGCA
 GAGGAGGTGAGATCCAGCATTCTTTGATTGACAAGGTGTGAGTCCACCTTCTGCCGCCAGCACCTTCT
 CTAGAGAAAGCCAGCCCCCTCCAGCTCTGGGCCGCCAGCGGCAGATCTCATGTCCAGCTCCCTGCTCAT
 TGACATGCAGCCTAGCACCTAGTGGCACCAGCAGAACAAGAGGTGCCTGGCCATGTAGCTGCACCAG
 CCCACTAAGGTGTATAGTGAAGTACATCTCACACTAGCCAAGCCTGCATCCGTGGTCAACAGGACCGCCA
 GGCCTTTTGGGATCCAGTCGCCAGGGACCAGCCAGATAGAGCAAAGCCCCATGATGGGAAGACGACAGTT
 TGGAGAGAAGGCCTGGGCTCCTCCTGCTAGCAGTATGGCGGATAGGAGTCCCCAGCCACAGAGGCACATA
 ATGTCCCAGTCCCATGGTGGAAAGGAGACTGCTTGGGCAGCGAAGCCCGGTCTTAGAGAGACGCCCTT
 TAGGAAATTTACCCACCCCCACCTATGCGGAGACTTTGTCAACAGCCCTGTGGCTTCTCGGGTTAG
 GTCTCCCCCTCTTACTCACTCTGTATCCAGCTCTGACCCAAAGCCTTCCATTTGAAAGGTCAAGTA
 GCCCTGCCAACAAAGACAGGAATTTTGGAAAGTCTATGGCACGCCGAGGCAGCCGAAATCAATGTTCA
 CTTTCGTGGAGAAGCCAAAGGTGACCCCGAATCCAGATTTGCTGGACCTAGTGCAGACAGTGTAGAGAA
 GCGGAGGCAGAGAGACCACGGGGAGGTGGGCATGGAAGAAGAGCCCTTTGCCCTGGGAGCTGAGGCCTCC
 AACTTCCAGCAGGAGCCAATAGCTCGGGACAGGGCCAGCCTGCGGCAGCTGAGGAAGCTGTCCCTGAGT
 GGGCCTTTGCCTCAAGTCAACCCGATCCAGGCCAAGCCGAAGCCAAACCCAATCAGAACCTCTCGGA
 AGCCTCAGGGAAGGGGGCTGAGCTCTATGCCCGCCGCGCAGTACGGATGGAGAAAACGTCATAGAGTCT
 TCAGGCCATGCCGAATGGCCCGCTGCCCTTACCTACCATGTCCCTGCCTTATCCTGGAAGTACACCA
 CTAACGCCCTGGGGCTTCCGAGTGGCATCCTTAAGTCCAGCGCGGACCCCGCTGCCTCTCTACCA
 CGGCTATCTGCCAGAGAATGGAGTCTGCGCCCTGAACCTACCAAGCAGCAGCCATACCAGATGCGGCCT
 TCCCTCTATGCTCTGTGCCCCGTCAGGAACCTGCCAAGGCCTCATCGCGTGCCACCTCATCGCGCACTC
 CATCACGCACTGTCTCACCTCGAGCTGCCTCCCGGCCAAGCCTAGCTCTCTGGACCTGGTGCCCAACCT
 GCCCAGAGCAGGCCTCCACCATCTCCTGCTCTGCCTCGGCCTTCCCGCTCCTCCCAGGCCTCTACACT
 GCCCCAGTCCAAGACAGCCTCCAGCCACTGCCGTGAGTCCCCTTACAGCAGTGTATCTCCCCGTGT
 CTCCCTCAGGGCGTGGTCTCCTCGAGCCAAGCAGGCTCCAGGCCTTCTTCTCCACCCGGAATGCTGG
 GATCGAGGCCAGGTGTGGAAGCCCTCCTTCTGCTTCAAG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215248 representing NM_001109975
 Red=Cloning site Green=Tags(s)

MEGYSEEASLLRHLEKVAEEEEVPLVVYLKENAALLTANGLHLQSRETQQSSPNPPDTEVPSPAADIN
 QNPSSPNATLTTLASSSHHSQPTADINQNPPAAITPVQNSSQAQCSPNGTLDLSDKPGTLCADDGQSPVPA
 EEVRSILLIDKVSAPPSAASTFSREATPLSSSGPPAADLMSSLLIDMQPSTLVAPAEQEVPGHVAVTT
 PTKVYSEVHLTLAKPASVVNRTARPFGIQSPGTSQIEQSPMMGRRQFGEKAWAPPASSMADRSPQQRHI
 MSRSPMVERRLLGQRSPVLERRPLGNFTPPPTYAETLSTAPVASRVRSPPSYSTLYPSSDPKPSHLKGQV
 APANKTGILEESMARRGSRKSMFTFVEKPKVTPNPDLLDLVQTADEKRRQRDHGEVGMEEEPFALGAEAS
 NFQQEPIARDRASPAAEEAVPEWASCLKSPRIQAKPKPNQNLSEASGKGAELYARRQSRMEKYVIES
 SGHAELARCPSTMSLPSSWKYTTNAPGGFRVASLSPARTPPASLYHGYLPENGLRPEPTKQQPYQMRP
 SLYALSPVKEPAKASSRATSSRTPSRTVSPRAASPAKPSLDDLVPNLPRAGLPPSPALPRPSRSSPGLYT
 APVQDSLQPTAVSPTYSSDISPVSPSRAWSRAKQAPRPSFSTRNAGIEAQVWKPSFCFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9047_h04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



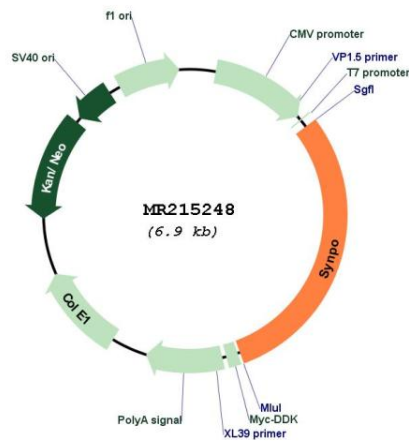
ACCN: NM_001109975

ORF Size: 2070 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_001109975.1</u> , <u>NP_001103445.1</u>
RefSeq Size:	4496 bp
RefSeq ORF:	2073 bp
Locus ID:	104027
Cytogenetics:	18 D3
MW:	74.5 kDa

Product images:

Circular map for MR215248