

## Product datasheet for **MG215248**

### Synpo (NM\_001109975) Mouse Tagged ORF Clone

#### Product data:

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

>MG215248 representing NM\_001109975  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGTACTCAGAGGAAGCCAGTCTGCTGCGGCATCTGGAGAAGGTTGCCAGTGAGGAAGAGGAAG  
 TGCCATTGGTAGTTTATTTAAAGGAGAATGCAGCCCTGCTGACAGCCAATGGGCTACACCTGTCGCAGAG  
 CCGAGAGACCCAGCAGTCTCACCAAACCTCCCGACACTGAAGTACCCAGTCCAGCTGCAGATATCAAC  
 CAGAACCCTCCTCACCTAATGCCACACTCACCACACTAGCCTCTAGCAGTACCACAGTCCAGCCACCG  
 CTGATATCAACAAAACCTCCAGCCGCCATCACCCCTGTCCACAGAATTCATCCAGGCACAGTGCTC  
 CCCGAATGGCACACTTGATTCCAACCCGGCAGTCTGTGTGCTGATGATGGGCAGTCCCCGGTCCCGCA  
 GAGGAGGTGAGATCCAGCATTCTTTGATTGACAAGGTGTGAGTCCACCTTCTGCCGCCAGCACCTTCT  
 CTAGAGAAGCCAGCCCCCTCCAGCTCTGGGCCGCCAGCGGCAGATCTCATGTCCAGCTCCCTGCTCAT  
 TGACATGCAGCCTAGCACCTAGTGGCACCAGCAGAACAAGAGGTGCCTGGCCATGTAGTGTCCACAGC  
 CCCACTAAGGTGTATAGTGAAGTACATCTCACACTAGCCAAGCCTGCATCCGTGGTCAACAGGACCGCCA  
 GGCCTTTTGGGATCCAGTCGCCAGGGACCAGCCAGATAGAGCAAAGCCCCATGATGGGAAGACGACAGTT  
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 GTCTCCCCCTCTTACTCACTCTGTATCCAGCTCTGACCCCAAGCCTTCCATTTGAAAGGTCAAGTA  
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 CTAACGCCCTGGGGCTTCCGAGTGGCATCCTTAAGTCCAGCGCGACCCCGCTGCCTCTCTACCA  
 CGGCTATCTGCCAGAGAATGGAGTCTGCGCCCTGAACCTACCAAGCAGCAGCCATACCAGATGCGGCCT  
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 CATCACGCACTGTCTCACCTCGAGCTGCCTCCCGGCCAAGCCTAGCTCTCTGGACCTGGTGCCCAACCT  
 GCCCAGAGCAGGCCTCCACCATCTCCTGCTCTGCCTCGGCCTTCCCGCTCCTCCCGAGGCCTTCACT  
 GCCCAGTCCAAGACAGCCTCCAGCCACTGCCGTGAGTCCCCTTACAGCAGTGTATCTCCCGGTGT  
 CTCCCTCAGGGCGTGGTCTCCTCGAGCCAAGCAGGCTCCAGGCCTTCTTCTCCACCCGGAAATGCTGG  
 GATCGAGGCCAGGTGTGGAAGCCCTCCTTCTGCTTCAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG215248 representing NM\_001109975  
 Red=Cloning site Green=Tags(s)

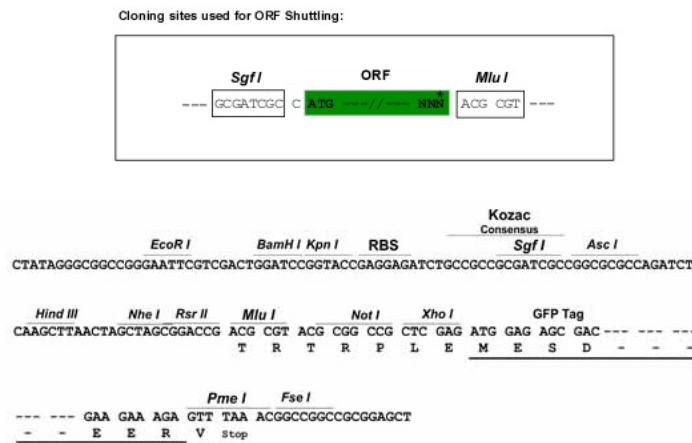
MEGYSEEASLLRHLEKVAEEEEVPLVVYLKENAALLTANGLHLSQSRETQQSSPNPPDTEVPSPAADIN  
 QNPSSPNATLTTLASSSHHSQPTADINQNPAAITPVQNSSQAQCSPNGTLDKSPGTLCCADDGQSPVPA  
 EEVRSSILLIDKVSAPPSAASTFSREATPLSSSGPPAADLMSSLLIDMQPSTLVAPAEQEVPGHVAVTT  
 PTKVYSEVHLTLAKPASVVRNRTARPFGIQSPGTSQIEQSPMMGRRQFGEKAWAPPASSMADRSPQQRHI  
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 SGHAELARCPSTMSLPSSWKYTTNAPGGFRVASLSPARTPPASLYHGYLPENGLRPEPTKQQPYQMRP  
 SLYALSPVKEPAKASSRATSSRTPSRTVSPRAASPAKPSLDPVNLPRAGLPPSPALPRPSRSSPGLYT  
 APVQDSLQPTAVSPTYSSDISPVSPSRAWSPRAKQAPRPSFSTRNAGIEAQVWKPSCFK

TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-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:**
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\\_001109975.1](#), [NP\\_001103445.1](#)

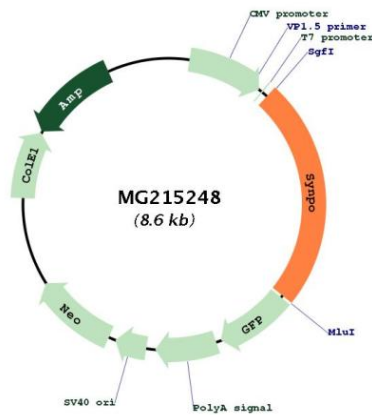
**RefSeq Size:** 4496 bp

**RefSeq ORF:** 2073 bp

**Locus ID:** 104027

**Cytogenetics:** 18 D3

**Product images:**



Circular map for MG215248