

## Product datasheet for **MG225383**

### **Pms2 (NM\_008886) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pms2 (NM_008886) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pms2
Synonyms:	AW555130; Pmsl2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>MG225383 representing NM\_008886  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGAGCAAACCGAAGGCGTGAGTACAGAATGTGCTAAGGCCATCAAGCCTATTGATGGGAAGTCAGTCC  
 ATCAAATTTGTTCTGGGCAGGTGTTACTCAGTTTAAAGCACCCTGTGAAGGAGTTGATAGAAAATAGTGT  
 AGATGCTGGTGCTACTACTATTGATCTAAGGCTTAAAGACTATGGGGTGGACCTCATTGAAGTTTCAGAC  
 AATGGATGTGGGGTAGAAGAAGAAAACCTTTGAAGGTCTAGCTCTGAAACATCACACATCTAAGATTCAAG  
 AGTTTGCCGACCTCACGCAGGTTGAAACTTTGGCTTTGGGGGGAAGCTCTGAGCTCTGTGTGCACT  
 AAGTGATGCTACTATATCTACCTGCCACGGTCTGCAAGCGTTGGGACTCGACTGGTGTGGACCATAAT  
 GGGAAAATCACCCAGAAAACCTACCCCGACCTAAAGGAACACAGTCAGTGTGCAGCACTATTTTT  
 ATACACTACCCGTGCGTTACAAAGAGTTTCAGAGGAACATTAAGGAGATGCCAAAATGGTGCAGGT  
 CTTACAGGCGTACTGTATCATCTCAGCAGGCGTCCGTGTAAAGCTGCACTAATCAGCTCGGACAGGGGAAG  
 CCGCAGCCTGTGGTGTGCAAGCGGCAGCTCTGGCATGAAGGAAAATATCGGGTCTGTGTTGGCCAGA  
 AGCAGTTGCAAAGCCTATTCTTTTGTTCAGCTGCCCTTAGTGACGCTGTGTGTGAAGAGTACGGCT  
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 TGACTCAGAATGTGTGGATTAATGTAAGTCCAGATAAAAGGCAAACTTACTACAAGAAGAGAAGCTA  
 TTGCTGGCCGTTTTAAAGACCTCCTTGATAGGAATGTTGACAGTGATGCAAAACAAGCTTAATGTCAACC  
 AGCAGCCACTGCTAGATGTTGAAGTAACCTAGTAAAGCTGCATACTGCAGAACTAGAAAAGCTGTGCC  
 AGGAAAAGCAAGATAACTCTCCTTCACTGAAGACACAGCAGACGAGAAAAGGGTAGCATCCATCTCCAGG  
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 CCTCCGTGGCTCGCAGGACAAAATGGTGAGTCCCACGGACAGCCCTGGTGACTGTATGGACAGAGAGAAA  
 ATAGAAAAGACTCAGGGCTCAGCAGCACCTCAGCTGGCTCTGAGGAAGGGTTCAGCACCCAGAAAGTGG  
 CCAGTAGCTTTAGCAGTGACTATAACGTGAGTCCCAGAAAGACAGACCTTCTCAGGAAACCATAAACTG  
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 ATGTCAACATTTCTCAAAGATTGCCTGGTCTCAGAGCACCTCAGCAGCTGAGGTGATGTAGCCATAAA  
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 TCAGTTTAACTGGGATTTATAGTAACCAAAGTAAAGAGGACCTCTTCTGGTGGACCAGCATGCTGCG  
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 AGACTCTGAACTTAACTGCTGTCAATGAAGCTGTACTGATAGAAAATCTGGAAAATTTAGAAAAGAAATGG  
 CTTTGACTTTGTCATTGATGAGGATGCTCCAGTCACTGAAAGGGCTAAATTTGATTTCTTACCAACTAGT  
 AAAAAGTGGACCTTTGGACCCCAAGATATAGATGAACTGATCTTTATGTTAAGTGACAGCCCTGGGGTCA  
 TGTGCCGGCCCTCACGAGTCAGACAGATGTTTGTCCAGAGCCTGTGCGAAGTCAAGTATGATTGGAAC  
 GGCGCTCAATGCGAGCGAGATGAAGAAGCTCATCACCCACATGGGTGAGATGGACCACCCCTGAACTGC  
 CCCACGGCAGGCCAACCATGAGGCACGTTGCCAATCTGGATGTCATCTCTCAGAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG225383 representing NM\_008886  
Red=Cloning site Green=Tags(s)

MEQTEGVSTECAKAIKPIDGKSVHQICSGQVVLSTAVKELIENSVDAGATTIDLRLKDYGVDLIEVSD  
NGCGVEEENFEGLALKHHTSKIQEFADLTQVETFGFRGEALSSLCALSDVTISTCHGSASVGTSLVFDHN  
GKITQKTPYPRPGTTVSQHLFYTLPVRYKEFQRNIKKEYAKMVQLQAYCIIISAGVRSCTNQLGQGK  
RQPVVCTSGSSGMKENIGSVFGQKQLQSLIPFVQLPPSDAVCEEYGLSTRTPQNLFYVSGFISQTHGA  
GRSATDRQFFFINQRPCDPAKVSKLVNEVYHMYNRHQYPFVVLNVSVDSECVDINVTDPDKRQILLQEEKL  
LLAVLKTSLIGMFDSDANKLNVNQPLLDVEGNLVKLHTAELEKPVPGKQDNPSLSTADEKRVASISR  
LREAFSLHPTKEIKSRGPETAELTRSPSEKRGVLSYPSDVISYRGLRGSQDKLVSPDTPGDCMDREK  
IEKDSGLSSTSAGSEEGFSTPEVASSFSSDYNVSSPEDRPSQETINCGDLDCRPPGTGQSLKPEDHGYQC  
KALPLARLSPTNAKRFKTEERPSNVNISQRLPGPQSTAAEVDVAIKMNKRIVLLEFSLSSLAKRMKQLQ  
HLKAQNKHEL SYRKFRAKICPGENQAAEDEL RKEISKSMFAEMEILGQFNLGFIVTKLKEDLFLVDQHAA  
DEKYNFEMLQQHTVLQAQRLITPQTLNL TAVNEAVLIENLEIFRKNGDFVIDEDAPVTERAKLISLPTS  
KNWTFGPQDIDELIFMLSDSPGVMCRPSRVQMFASRACRKSVMIGTALNASEMKKLITHMGEMDHPWNC  
PHGRPTMRHVANLDVISQN

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM\_008886

ORF Size: 2577 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\\_008886.2](#), [NP\\_032912.2](#)

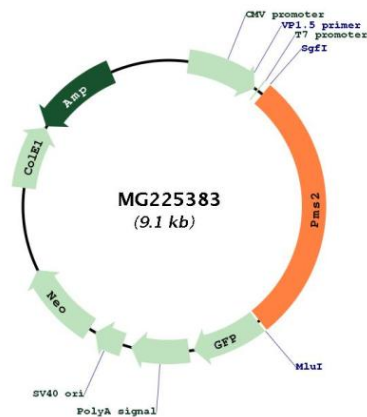
**RefSeq Size:** 3273 bp

**RefSeq ORF:** 2580 bp

**Locus ID:** 18861

**Cytogenetics:** 5 G2

### Product images:



Circular map for MG225383