

## Product datasheet for **RR206498**

### **Pms2 (NM\_001105908) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pms2 (NM_001105908) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pms2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR206498 representing NM\_001105908  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTATAATCGGCACCAGTATCCATTTGCTGTTCTTAACGTGTCCGTGGACTCGGAATGTGTGGATATTA  
 ACGTGACCCAGATAAAAGGCAGATTTTACTACAGGAAGAGAAGCTTTTCTGGCAGTTTTAAAGACGTC  
 CTTGATGGGAATGTTTCGACAGTGTGCAAAACAAGCTTAGTGTCAACCAGCAGCCGCTGCTGAATGTCGAA  
 GGTAACCTAGTAAAGCTACATACCCGAGAAGTAGGAGAGCAAGAGAAGCTCTCCTCATTGAGGATCACAG  
 CGGAAGAGAAAAGGGTAGCATCTGTGTCTAGGCTGAGAGAGGCCATTCTCTTCATCGTACCACAGAGAC  
 CAAGTCTTGGGGCCAGAGACTCCTGAAGTAAACAGAGTTTTCCAAGTCAGAAAAGGGGTGTATCATCA  
 TCTTGTCTTCAGACATCATCTTATAGAGGCCGTGTGTGGCTCACAGGACAAATGGTGAGTCCCACGG  
 ATAGCCCTGGTGACTGTATGGACAGAGAAAAGGAGAAAAGGACTCAGGGCTTAGCAGCACCTCAGCTGG  
 CTCTGAGGAAGGGTTCAGCACCCAGAAGTGGCCAGTAGCTTTAGCAGTACTGCAACGTGAGCTCCCCA  
 GAGGACAGACCTTCTCAGGAAAACAAAAGTGTGGCGAGCAGTTCTTGAAGTGGATGACCACCTTTCAG  
 GTACAGGACACCATTTGAAGCCAGAAGACAATGGATATAAATGTGCGAGCTTCACTTCCACCAACTCGGT  
 CTCTCCCTCAAATGCTAAGCGTTTCAGGACAGAGGACAGGCCCTTCAAATGTTGGCGTTTCTCAGAACCC  
 TCAGCAGCTGAGGTTGACGTAGCTGTAATAAATAAGAAAATAGTGCTCCTTGACTTCTCTGAGCT  
 CTTTAGCTAAACAAATGAAGCAGTTACAGCACCTGAAGCAGCAGAGCAAAAAGCGAACACAATTACAGGAA  
 ATTTAGGGCCAAGATTTGCCCTGGAGAAAATCAAGCAGCAGAAGTGAAGTGAAGAGAGATTAGGAAG  
 TCGATGTTCCGAGAGATGGAGATCTTGGGTGAGTTAACCTGGGATTCATCGTAACCAAACTGAAGGAGG  
 ACCTCTTCTGGTGGACCAGCACGCCCGCAGAGAAGTACAACCTTGGAGATGCTGCAGCAGCACACGGT  
 GCTCCAGGCTCAGAGGCTCATCACTCCCCAGACTCTGAACCTTAACTGCTGTCAATGAAGCTGTGCTGATA  
 GAAAATCTGGAATATTAGAAAAGAAATGCTTTGACTTTATCATTGATGAAGATGCTCCAGTCACTGAAA  
 GGGCTAAACTGATTTCTTACCCACTAGTAAAACTGGACCTTTGGACCCCAAGATATCGATGAAGTATGAT  
 CTTTATGCTCAGTGACAGCCCTGGGTCATGTGCCGCCCTCGAGAGTACAGACAGATGTTTGCTTCCCGA  
 GCGTGTGCGAAGTCTGTGATGATTGGAACCGCTCTCAGTGCAAGTGAAGAGCTCATCTCCACA  
 TGGGTGAGATGGACCACCCCTGGAAGTCCCCACGGAAGGCCGACCATGAGGCACATTGCAAACTGGA  
 TGCATCTCCAGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR206498 representing NM\_001105908  
 Red=Cloning site Green=Tags(s)

MYNRHQYFPVVLNVSDSECVDINVTDPKRQILLQEEKLLAVLKTSLMGMFSDANKLSVNQQPLLNVE  
 GNLVKLHTAEVGEQENSPSLRITAEKRVASVSRLREAYSLHRTTETKSWGPETPELKQSFPSQKRGVSS  
 SCPSDIISYRGLCGSQDKLVSPDTPGDCMDREKGEKDSGLSSTAGSEEGFSTPEVASSFSSDCNVSSP  
 EDRPSQENTNCGEQFLEVDDHLSGTGHHLKPEDNGYKCRASLPPTRLSPSNAKRFRTEDRPSNVGVPQNT  
 SAAEVDVAVKINKKIVLLDFSLSSLAKQMKQLQHLKQQSKSEHNYRKFRAKICPGENQAAEDELREIRK  
 SMFAEMEILGQFNLFIVTKLKEDLFLVDQHADEKYNFEMLQQHTVLAQRLITPQTLNLTAVNEAVLI  
 ENLEIFRKNGFDFIIDEAPVTERAKLISLPTSKNWTFGPQIDELIFMLSDSPGVMCPRSRVRQMFASR  
 ACRKSVMIGTALSASEMKKLISHMGEMDHPWNCPHGRPTMRHIANLDVISQN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

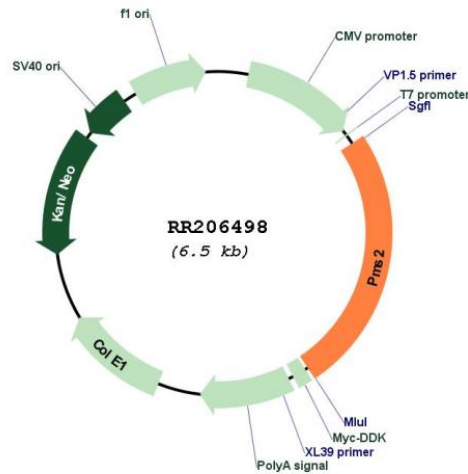
Cloning Scheme:

Cloning sites used for ORF Shutting:



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

Plasmid Map:



ACCN: NM\_001105908

ORF Size: 1626 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\\_001105908.1](#), [NP\\_001099378.1](#)

**RefSeq Size:** 2828 bp

**RefSeq ORF:** 1629 bp

**Locus ID:** 288479

**Cytogenetics:** 12p11

**MW:** 60.7 kDa