

Product datasheet for **MR225383**

Pms2 (NM_008886) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pms2 (NM_008886) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pms2
Synonyms:	AW555130; Pmsl2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR225383 representing NM_008886
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCAAACCGAAGGCGTGAGTACAGAATGTGCTAAGGCCATCAAGCCTATTGATGGGAAGTCAGTCC
 ATCAAATTTGTTCTGGGCAGGTGTTACTCAGTTTAAAGCACCCTGTGAAGGAGTTGATAGAAAATAGTGT
 AGATGCTGGTGCTACTACTATTGATCTAAGGCTTAAAGACTATGGGGTGACCTCATTGAAGTTTCAGAC
 AATGGATGTGGGGTAGAAGAAGAAAACCTTTGAAGGTCTAGCTCTGAAACATCACACATCTAAGATTCAAG
 AGTTTGCCGACCTCACGCAGGTTGAAACTTTGGCTTTGGGGGGAAGCTCTGAGCTCTGTGTGCACT
 AAGTGATGCTACTATATCTACCTGCCACGGTCTGCAAGCGTTGGGACTCGACTGGTGTGGACCATAAT
 GGGAAAATCACCCAGAAAACCTACCCCGACCTAAAGGAACACAGTCAGTGTGCAGCACTATTTTT
 ATACACTACCCGTGCGTTACAAAGAGTTTCAGAGGAACATTAAGGAGATGCCAAAATGGTGCAGGT
 CTTACAGGCGTACTGTATCATCTCAGCAGGCGTCCGTGTAAAGCTGCACTAATCAGCTCGGACAGGGGAAG
 CGGCAGCCTGTGGTGTGCAAGCGGCAGCTCTGGCATGAAGGAAAATATCGGGTCTGTGTTGGCCAGA
 AGCAGTTGCAAAGCCTATTCTTTTGTTCAGCTGCCCCCTAGTGACGCTGTGTGTGAAGAGTACGGCCT
 GAGCACTTCCAGGACGCCACAAAACCTTTTCTACGTTTGGGGTTCATTTACAGTGCACGCACGGCGCC
 GGGAGGAGTGCAACAGACAGGCAGTTTTTCTTCAATCAGAGGCCCTGTGACCCAGCAAAGGTCTCTA
 AGCTTGTCAATGAGGTTTATCACATGTATAACCGGCATCAGTACCCATTTGTGTCCTTAACTTTCCGT
 TGACTCAGAATGTGTGGATTAATGTAAGTCCAGATAAAAGGCAAACTTACTACAAGAAGAGAAGCTA
 TTGCTGGCCGTTTTAAAGACCTCCTTGATAGGAATGTTGACAGTGATGCAAAACAAGCTTAATGTCAACC
 AGCAGCCACTGCTAGATGTTGAAGTAACCTTAAAGCTGCATACTGCAGAACTAGAAAAGCCTGTGCC
 AGGAAAGCAAGATAACTCTCCTTCACTGAAGACACAGCAGACGAGAAAAGGGTAGCATCCATCCACAGG
 CTGAGAGAGGCCCTTTTCTTCTCCTACTAAAGAGATCAAGTCTAGGGTCCAGAGACTGCTGAACTGA
 CACGGAGTTTTCAAGTGAGAAAAGGGCGTGTTATCCTCTTATCCTTACAGCGTCATCTTTACAGAGG
 CCTCCGTGGTTCGCAGGACAAAATGGTGAGTCCCACGGACAGCCCTGGTGACTGTATGGACAGAGAGAAA
 ATAGAAAAGACTCAGGGCTCAGCAGCACCTCAGCTGGCTCTGAGGAAGGGTTCAGCACCCAGAAAGTGG
 CCAGTAGCTTTAGCAGTGACTATAACGTGAGCTCCCAGAAAGACAGACCTTCTCAGGAAACCATAAACTG
 TGGTGACTTGGACTGCCGCTCCTCCAGGTACAGGACAGTCTTGAAGCCAGAAGACCATGGATATCAATGC
 AAAGCTCTACCTTAGCTCGTCTGTACCCACAAATGCCAAGCGCTTCAAGACAGAGGAAAGACCCTCAA
 ATGTCAACATTTCTCAAAGATTGCTGGTCCCTCAGAGCACCTCAGCAGCTGAGGTGATGTAGCCATAAA
 AATGAATAAGAGAATCGTGCTCCTCGAGTTCTCTCTGAGTTCTCTAGCTAAGCGAATGAAGCAGTTACAG
 CACCTAAAGGCGCAGAACAAACATGAACTGAGTTACAGAAAATTTAGGGCCAAGATTTGCCCTGGAGAAA
 ACCAAGCAGCAGAAGTGAAGTCAAGAAAAGAGATTAGTAAATCGATGTTTGACAGAGATGGAGATCTTGGG
 TCAGTTTAACTGGGATTTATAGTAACCAAAGTAAAGAGGACCTCTTCTGGTGGACCAGCATGCTGCG
 GATGAGAAGTACAACCTTTGAGATGCTGCAGCAGCACACGGTGTCCAGGGCAGAGGCTCATCACACCCC
 AGACTCTGAACCTAACTGCTGTCAATGAAGCTGTACTGATAGAAAATCTGGAAAATTTAGAAAAGAAATGG
 CTTTGACTTTGTCATTGATGAGGATGCTCCAGTCACTGAAAGGGCTAAATTTGATTTCTTACCAACTAGT
 AAAAACTGGACCTTTGGACCCCAAGATATAGATGAACTGATCTTTATGTTAAGTGACAGCCCTGGGGTCA
 TGTGCCGGCCCTCACGAGTCAGACAGATGTTTGTCTCCAGAGCCTGTGCGAAGTCAAGTATGATTGGAAC
 GGCGCTCAATGCGAGCGAGATGAAGAAGCTCATCACCCACATGGGTGAGATGGACCACCCCTGGAAGTGC
 CCCACGGCAGGCCAACCATGAGGCACGTTGCCAATCTGGATGTCATCTCTCAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225383 representing NM_008886
 Red=Cloning site Green=Tags(s)

MEQTEGVSTECAKAIKPIDGKSVHQICSGQVVLSTAVKELIENSVDAGATTIDLRLKDYGVLDLIEVSD
 NGCGVEEENFEGLALKHHTSKIQEFADLTQVETFGFRGEALSSLCALSDVTISTCHGSASVGTSLVFDHN
 GKITQKTPYPRPKGTTVSQHLFYTLPVRYKEFQRNIKEYAKMVQVLQAYCIIISAGVRVSTNQLGQGK
 RQPVVCTSGSSGMKENIGSVFGQKQLQSLIPFVQLPPSDAVCEEYGLSTRTPQNLFYVSGFISQCTHGA
 GRSATDRQFFFINQRPCDPAKVSKLVNEVYHMYNRHQYPFVVLNVSVDSECVDINVTPDKRQILLQEEKL
 LLAVLKTSLIGMFDSDANKLNVNQPLLDVEGNLVKLHTAELEKPVPGKQDNPSLSTADEKRVASISR
 LREAFSLHPTKEIKSRGPETAELTRSPSEKRGVLSYSPSDVISYRGLRGSQDKLVSPDTPGDCMDREK
 IEKDSGLSSTSAGSEEGFSTPEVASSFSSDYNVSSPEDRPSQETINCGDLDCRPPGTGQSLKPEDHGQC
 KALPLARLSPTNAKRFKTEERPSNVNISQRLPGPQSTAAEVDVAIKMNKRIVLLEFSLSSLAKRMKQLQ
 HLKAQNKHEL SYRKFRAKICPGENQAAEDELKEISKSMFAEMEILGQFNLGFIVTKLKEDLFLVDQHAA
 DEKYNFEMLQQHTVLQAQRLITPQTLNLTAVNEAVLIENLEIFRKNQDFVIDEDAPVTERAKLISLPTS
 KNWTFGPQDIDELIFMLSDSPGVMCPRSRVRQMFASRACRKSVMIGTALNASEMKKLITHMGEMDHPWNC
 PHGRPTMRHVANLDVISQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9039_h06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

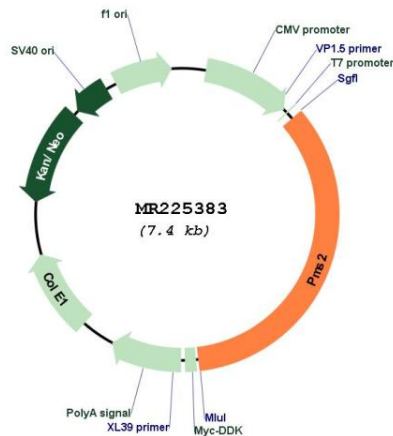
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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:	<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:	NM_008886.2 , NP_032912.2
RefSeq Size:	3273 bp
RefSeq ORF:	2580 bp
Locus ID:	18861
Cytogenetics:	5 G2
MW:	95.7 kDa

Product images:



Circular map for MR225383