

## Product datasheet for MR217531

### Pmepa1 (NM\_022995) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pmepa1 (NM_022995) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pmepa1
Synonyms:	2210418I02Rik; AW455466; Erg1.2; N4wbp4; Stag1; Tmepai
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217531 representing NM_022995 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGTCAACGGCACCGCCGCCGCCGCCGCCGGCAGCCCAATGTCTCCTGCGCGTGCAACTGCCAGC  
GCTCTTTGTTCCCCAGCATGGAGATCACGGAGCTGGAGTTCGTGCAAATCGTGGTCATCGTGGTAGTGT  
GATGGTGATGGTGGTTATGATTACGTGCCTGCTGAGCCACTACAAGCTGTCAGCCCGCTCCTTCATCAGC  
CGACACAGCCAGGCCAGGAGGAGAGACGATGGACTGTCTCGGAAGGATGCCTCTGGCCCTCAGAGAGTA  
CGGTGTCAGGTGGAATGCCGGAGCCACAGTCTATGCCCGCCTCGGCCACTGACCGACTCGCTGTGCC  
CCCTTCATCCAGCGGAGCCGATTCCAACCCACCTACCCCTACCTGCAGCACGAAATTGCCCTGCCACCC  
ACCATCTCACTGTCTGATGGGGAGGAGCCCCACCCCTACCAGGGCCCTGCACCCCTCCAGCTACGGGACC  
CTGAGCAACAGCTGGAGCTGAACCGGGAATCTGTGCGCGCACCCCTAACCAGGACCATCTTCGACAGTGA  
CCTTATAGACAGCACCATGCTGGGGGCCCTGTCCCCCAGCAGTAACTCGGGCATCAGCGCCACCTGC  
TACAGCAGCGGTGGGCGCATGGAGGGGCCGCCCCACCTACAGCGAGGTCATTGGCCACTACCTGGCT  
CCTCCTCCAGCACCAGCAAAGTAACGGGCCATCTCCCTGCTAGAGGGGACCCGGCTCCATCACTCGCA  
CATTGCCCACTGGAGAACAAGGAGAAGGAGAAACAGAAAGGTCACCCCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR217531 representing NM\_022995  
Red=Cloning site Green=Tags(s)

MGVNGTAAAAGQPNVSCACNCQRSLFPSMEITELEFVQIVVIVVMMVMVMITCLLSHYKLSARFSIS  
 RHSQARRRDDGLSSEGCLWPSESTVSGGMPEPQVYAPRPTDRLAVPPFIQRSRFQPTYPLQHEIALPP  
 TISLSDGEEPPPYQGPC TLQLRDPEQQLELNRESVRAPPNRTIFDSDLIDSTMLGGPCPPSSNSGISATC  
 YSSGGRMEGPPPTYSEVIGHYPGSSFQHQQSNPSSLLEGLTRLHSHIAPLENKEKEKQKGHPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9024\\_b03.zip](https://cdn.origene.com/chromatograms/mm9024_b03.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\_022995

**ORF Size:** 822 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\\_022995.3](#), [NP\\_075371.2](#)

**RefSeq Size:** 4531 bp

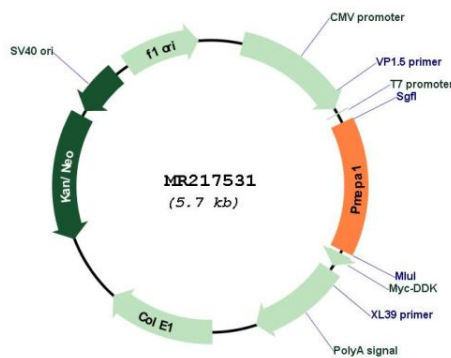
**RefSeq ORF:** 825 bp

**Locus ID:** 65112

**Cytogenetics:** 2 H3

**MW:** 30.4 kDa

### Product images:



Circular map for MR217531