

Product datasheet for **MR212172**

Pwwp2b (NM_001033206) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pwwp2b (NM_001033206) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pwwp2b
Synonyms:	A1594893; D7Ertd517e; D930023J19Rik; Pwwp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR212172 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCCGGGCCGGCTGCCGGTTGCCGGTGC GGTTGGAACAGGTCGTC AACGGCGCGCTGGTGGTCA
 CCGTGAGCTGTGGCGAGCGCAGCTTCGCCGGAATCCTGCTGGATTGCACGAAAAAGTCTGGCCTCTTTGG
 CCTGTCTCCATCTACTCTACTGCCTCTGGCTGACAACCTCTGCGCTCAGCTGTCATGGCCAGGCTCCC
 GAGGAGGGAAGTGGAGAAGTGTGCAGCTAGAGACAGGACCTCTGCATCCTCACCACAAAGACCCTGAGA
 AGGATCAGCCTCCAAGACAGCTGTGTCTGAGCCGCCCCACCTCTCATAACCACCTGTGCCTGCCGGAA
 CCTGCCTCCCTTCCACCATACTTTGAGGGTGCCCTTCCCTCACCCACTATGGCTGAGGAACACCTAC
 CAGCAGTGGGTGCCGAGCCCCACCCAGGACCATCAAGCGGACCCGTCGGCGACTCTCCAGAAACCGGG
 ATCCTGGAAGACTCATTCTTAGACAATCCGCCTGCGGCCACGTCAGGACTGTGTGAGAAGTGAAGAG
 TACTGTGAGTCTCAAGAGGCCAGTCCCAGCCCCCTGAACACCCCAAACCCCGCGGAGGCTAGGCAGT
 GGCCTGACAGTGAACACCGAAAGCCAGAGGAACCAAGACAGCGCTGTATAGCTACAGCTGCCCCGA
 GGAGGAGCAAGAGGGAGAAGCGGGAAGAGGACAGGGTTGCTGGAGAGCGTGTCCGAGAAGCCAGTCAT
 CAAGATCTCCTACAGCACACCACAGGTAAGGGTGAGGTGGTCAAGATCCATCCAGAGTGCATGGCTCC
 GTGGAGCCCTTCTGCCCGAACAGTCTCTACAGAAATGGCAGCCAGGACTCAGAGGTATCAAGGGATGTGG
 AGCCCAGGGTGGTGGAGACCGACCCAGCGGGTCTTACGCTCCATCCCAAGCTAAAGTGACTCG
 CCCAGTGCCTCTATCTGACCTGCCACCTCCAAAAATCCGCTGAAGCCCCACCGGCTGGGGATGGA
 GAGCATGAACCCCTTACCGGGCTGAGCTGGTGGAGGAGCTGAACGGATGCCACGAGGCCCGCTGGTCA
 GCTCCCTGCTCTCTTTGCCGATGGCTTAGCCATGGGCTAGAGGACTTGTCTTCTGGAAGTCTGGTGA
 GGACGATGACCTCAAGAGGTTTCCCAAGGTAACATGGCCGTGATGGCTTGGCTTTTCTTGTGGACTGC
 CCTGGGAGGAGAACAGATTGTACCAAGTGAATCTGTGTGCAGCACGACAGCCTGGATGAATTAATCAT
 CTGGTTGAGAAGTGACATCTCCAGACACAGGAGACCTGTCATCTGGTGACAGTGCCTCTGTTCTTCATC
 TTCTGCTGACACTCGCCAGACAGTCCCTCCCTCACGGTCAGGCTGCACACGCAGAGCGTCTCACGGTGT
 GTGACTGAAGATGGAAGGACGGTGGCTGTAGGGGACATTGTGTGGGGTACCGACAA

**ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>MR212172 protein sequence
 Red=Cloning site Green=Tags(s)

MEPRAGCRLPVRVEQVVNGALVVTVSCGERSFAGILLDCTKKSGLFGLSPSTLLPLADNSSAVSCHGQAP
 EEGTGEVMQLETGPLHPHHKDPEKDQPPKTAVSEPPPPPLIPPVPAGNLPFPFYPFEGAPFPHPLWLRNTY
 QQWVPQPPPRTIKRTRRRLSRNRDPGRLLSTIRLRPRQVLCEKCKSTVSPQEAASPLNTPKPRRRLGS
 GPDSEHRKPEEPEDSAVIATAAPRRSRKREKREEDRVAGERVPRSPVIKISYSTPQKGVEVKIPSRVHGS
 VEPFPCPQSLQNGSQDSEVSRDVEPRGGDRPPSGSSASIPKLLKLRPVPPIIDLPPPKIRLPHRLGDG
 EHEPLYRAELVEELNGCPRGPLVSSPALFADGSSHGLEDLSSGSSGEDDLKRFPOGKHGRDGLAFLVDC
 PGRRTDCTSESVCSTDSLDELKSSGSEVTSPDTGDLSSGDSASVPSSADTRQTVPLTVRLHTQSVSR
 VTEDGRTVAVGDIVWHRQ

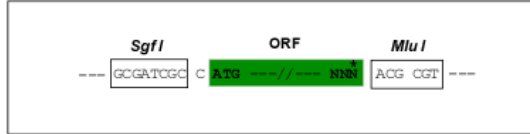
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

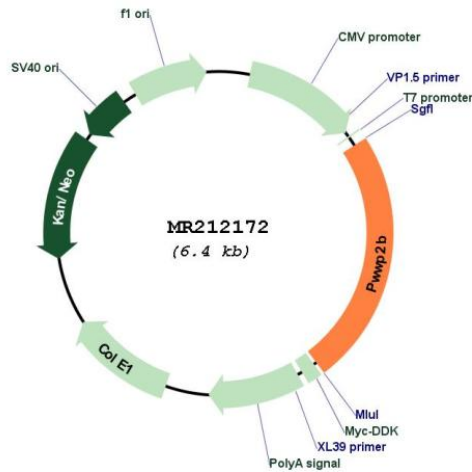
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001033206

ORF Size: 1527 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_001033206.2](#), [NP_001028378.1](#)

RefSeq Size: 2335 bp

RefSeq ORF: 1530 bp

Locus ID: 101631

Cytogenetics: 7 84.39 cM

MW: 55 kDa