

Product datasheet for **MC221173**

Pwwp2a (NM_027557) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pwwp2a (NM_027557) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pwwp2a
Synonyms:	4631424J17Rik; AI891583; AU024105; D930040F23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221173 representing NM_027557
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCGCTGGCTGCTGAGGCGCGCGACCGCGCGTCCCCGGGAAGGGGCGCCGCGAGGCCG
 AGCCGGAGCTAGAGCCATTCCCGCAGCGAAGCCGCGACCCCCCTCCCGTACGCGCCACGGAGCGGC
 GGTGCCGGACGGCGAGGCGACGGCGCCAGTCCGCCCTCAGGCCGACGAGCAGCCGCTGCCGCCACCG
 CCGCCGCCCGCGCCGGGGGAGCTGGCCGATAGCTCCGAGGCTGAGGAGGCGAAGCCGCCGAGCCCG
 CGGCTGTCCCGTCTCGCCGCCGAGCAGCCTCCGGCCGCCCGAGCAGCCGAGGACGCGCCGCGGCC
 GCCACCAGCTCCGGCGCTCGTCCCGCGCGGGGACTCGGCGGTGTCGCACCTCATCCCCGGCTCG
 GAGGTGCGGGTACGCTGGACCACATCATCGAGGACGCGCTCGTGTGCTTCCGCTCGGGGAGAAGC
 TCTTCCGGGGTCTCATGGACCTATCCAAAAGTTTGGCCCCATGGGATCCCTGTGACAGTATTTCC
 CAAAAGGAATATAAGGACAAACCGGACCCATGCAGCTCCAAAGTACCACATTCAGAAGGGATAGAA
 GTCAAGCAGGAAGTGAACGGTGTGTTCCCGATGACCTCTCTCCAGTCCCTCCTCTGAGCGCTGTGGG
 CTTCAGCCACCTCTCTTCCATGAAGGAGCACCTTACCCTCCCCCTTGTATATCAGGGACACATA
 TAACCAATCAATACCTCAGCCGCCCTCGGAAAATTAAGCGACCCAAACGAAAAATGTACAGGGAAGAA
 CCCACTTCAATAATGAATGCGATTAAGCTACGGCCAGGCAAGTCTGTGTGATAAGTGTAAAAACAGTG
 TTGTTGCTGAAAAGAAGGAAATAGGAAAGGTAGCAGTACTCTTCTAGGTATGAAGATAAAAAACGGAG
 AAATGACAGTGTAGTACTGTGAACAAAAACTGAAAAGTACCATAAAGTGGATGGGAAAAACAAAAC
 GAAAGCAGAGAAGGAACACTGTGGTGAAGGTTCCAGTATCGCTCACAGCAGGGCAGAGTGTCAAGG
 TTTCTGCTCAGGCAAATACATCAAAAGTCAAGTAAATACCAAGAAAGTGTCCAAAGCAAGAACATGGA
 TCACGCAAAAGCTCGGGAAGTATTGAAAATTGCCAAAGAAAAGGCACAGAAGAAGCAAAAGTGAACCTCC
 ACTTCCAAAACCCCCATGCGAAAGTCCACTTCACACGTCGGTATCAGAGTCCCAGCTCAGTCTCTCC
 CACCCCGAGTGCGGTTAAAACCAAAAGGTACAGGAACGAAGAAAATGACTCTTCTCTGAAGACGGGACT
 GGAGAAAATTCGGAGTGGCAAGCTGGCGCCTAAGCCGAGTCTCGATGCACCTCCACCCGCTCAGCAGGT
 GAGGCCCTTCAGAAAACCGAGTCCCTCAGAAGGCCGGAAGAGTCCGCCGGTGAAGTTCAGGACACAA
 GCAGAGTGCCTGCTGGTGGCAGGAGGAAGTCCGGATGTTGGGCAAAAAGGGCAGCAAAAGCAGTAT
 CTCTGTTTACCTGACCCTAAATCAGGAGACATCTGACTCTCCAGTGCCTCAGTGTGTAGCATTGATAGC
 ATGGATGATTTGAAATCCTCAACTCTGAGTGTAGCTCTTCTGAGAGCTTCGTTTTCTCCCGGTGTA
 TGCACGCACCTTCTGCCTTCTCACTTCTACTTCTTCTTCAAAGGAAGAGAATAGCCTCCGTAAATTC
 TTTGAAAATGAAAATCTTTTCAAAAATGTCTCTAAATGTATCACACCAGATGGCAGGACCATATGTGTA
 GGGGACATTGTTTGGCCAAGATATATGGCTTCCCTTGGTGGCCAGCCGTTATTCTTACCATCACTGTAA
 GCCGGAAGATAACGGCCTTTTAGCCCGCAGGAGGCCGATCTCATGGTTTGCATCTCAACCCACATC
 TTCCCTTGCTCTCTCACAACCTCCCCCTTTCTAGAAAACCTCCAGTTACGGTTAATAAGAAGAGAAAAG
 GGTCTGTATCGCAGGGCTATCACAGAGGCTGCTAAGGCTGCTAAGCAGCTGACCCCTGAAGTGGGGCTT
 GTTGACACAATTTGAAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_027557

Insert Size: 2193 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_027557.1</u> , <u>NP_081833.1</u>
RefSeq Size:	3295 bp
RefSeq ORF:	2193 bp
Locus ID:	70802
UniProt ID:	<u>Q69Z61</u>
Cytogenetics:	11 B1.1
Gene Summary:	<p>H2A.Z-specific chromatin binding protein which may play an important role in the neural crest stem cell migration and differentiation during early development. Also required for proper mitosis progression.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (b) has a longer and distinct C-terminus, compared to isoform a.</p>