

Product datasheet for **RC222777**

PWWP2A (NM_052927) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PWWP2A (NM_052927) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PWWP2A
Synonyms:	MST101
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC222777 representing NM_052927
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGCTGGCTGCAGAGGCGGCAGCGACTGCAGCGTCCCCGGGGAGGGGGCGCCGGCGAGGCCG
 AGCCGGAGATGGAGCCATCCCCGGCAGTGAGGCCGCGACTGACCCCTCCCGGTCACGGCCACTGAAGC
 GTCTGTGCCGGATGGCGAGACTGACGGGACGAATCCGCTCCTCAGGCCGACGAGCCGCCCTCCGCCC
 CCACCGCCCGCGGGGGAGCTCGCCCGAGCCAGAGGCGGTGGGGCCGGAGCTGGAGGCTGAGGAGA
 AACTGTCCGTTCCGGTGGCGGAGTCGGCGGCAGCCGCGCCTCAGGGAGGGCCGGAACCTCCACCTTCTCC
 TGCATCGCCGCCGAGCAGCCCGGCTCCCGAGGAGCGGAGGAGCCGCGCTGCCTCAGCCCGTAGCC
 CCGGGCTCGTCCCGCCGGGCGGGGACTCCACGGTGTGCAACTGATCCCGGCTCGGAGGTGCGGG
 TCACGCTGGACCACATCATTGAGGACCGCTTGTCTGTCTGCTCCGCTTCGGGGAGAAGCTTTCTCCGG
 GGTCTCATGGATCTGTCCAAAAGTTTGGGCCCATGGTATCCCTGTGACAGTATTTCCAAAAGGGAA
 TATAAGGATAAACCGAAGCCATGCCGCTCCAAAGTAATACATCCAAAGAAGGGACAGAAGTCAAGTGTG
 AAGCAATGGTGTCTTCCCGATGACCTTCTCCTGTCCCGCATCCCGAGCTGAGCTTGGCTGAAAGCCT
 GTGGACTTCCAAACCACCACCTCTTCCATGAAGGAGCACCTTATCCTCCCTTTGTTTATCAGGGAC
 ACATATAACCAATCAATACCTCAGCCACCTCCTCGGAAAATTAAGCGACCCAAACGAAAAATGTACAGGG
 AAGAACCCTTCAATAATGAATGCTATTAACACTACGACCCAGGCAAGTTCTGTGTGATAAATGTAAAA
 CAGTGTGTTGCTGAAAAAAGGAAATAGAAAAGGTAGTAGTCAACTGACTCTTCTAAATATGAAGAT
 AAAAAACGGAGAAATGAAAGTGAATACTGTGAACAAAAACTGAAAAGTACCATAAAGTGGATGGGA
 AAAACAAAATGAAAGCCAGAAAAGAAATGCTGTGGTTAAGGTTTCAAATATTGCTCACAGCAGAGGCAG
 AGTAGTAAAAGTTTCTGCTCAGGCAAATACATCAAAGCTCAGTTAAGTACTAAAAAAGTTCTCCAGAGT
 AAGAACATGGATCATGCGAAAGCTCGGGAAGTGTAAAAATTGCCAAAGAAAAGGCACAAAAAGAAGCAAA
 ATGAAACCTCTACTTCCAAAAATGCACATTCAAAGTCCATTTACACGTCGATATCAGAATCCTAGCTC
 AGGTTCCCTTCCACCCGGGTTCTGTTAAAACACAGAGGTACAGGAATGAAGAAAATGACTCTTCTCTG
 AAGACAGGACTTGAGAAAATGCGGAGTGGCAAGATGGCACCCAAGCCCAAGTCTCGCTGCACCTTACCC
 GCTCAGCAGGTCTCAACAAATGGCAGCTATTACATCAGACAGTGACGAGTCTGCTGCTCCCTTACAGTG
 TCTGACAGACCACTGTGGATTGACTGGGAGCATTGAAGTTAACAGTGAACGGGCAGCACAAAGACAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222777 representing NM_052927
 Red=Cloning site Green=Tags(s)

MAVAEAATAASPGEAGAGEAEPMEPIPGSEAGTDPLPVTATEASVPDGETDQQSAPQADEPPLPP
 PPPPPGELARSPEAVGPELEAEEKLSVRVAESAAAAPQGGPELPPSPASPEQPPAPEEREPEPLPQPVA
 PALVPPAGGDSTVSQLIPGSEVRVTLDHIIEDALVVSFRFGEKLFSGVLMDSLKRFPHGIPVTVFPKRE
 YKDKPEAMPLQSNFQEGTEVKCEANGAVPDDPSVPVHPELSLAESLWTSKPPPLFHGAPYPPPLFIRD
 TYNQSIQPPPRKIKRPKRKMYREEPTSIMNAIKLRPRQVLCDKCKNSVVAEKKEIRKGSATDSSKYED
 KRRRNESVTTVNKCLKTDHKVDGKNQNESQKRNAVVKVSNIAHSRGRVVKVSAQANTSKAQLSTKKVLQS
 KNMDHAKAREVLKIAKEKAQKKQNETSTSKNAHSKVHFTRRYQNPSSGSLPPRVRLKPQRYRNEENDSSL
 KTGLEKMRSGMAPKQSRCTSTRSAGLNKWLHLHQTVTSPAAPLQCLTDHCGFRLGALKLTVKRAAQRH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_052927

ORF Size: 1680 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_052927.4](#)

RefSeq Size: 4013 bp

RefSeq ORF: 1683 bp

Locus ID: 114825

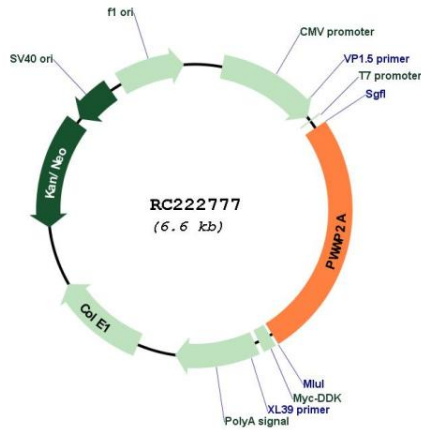
UniProt ID: [Q96N64](#)

Cytogenetics: 5q33.3

MW: 60.5 kDa

Gene Summary: 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]

Product images:



Circular map for RC222777