

Product datasheet for **RC226141**

PWWP2A (NM_001130864) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PWWP2A (NM_001130864) 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)



[View online »](#)

ORF Nucleotide
Sequence:

>RC226141 representing NM_001130864
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCGGTGGCTGCAGAGGCGGCAGCGACTGCAGCGTCCCCGGGGAGGGGGCGCCGGCGAGGCCG
 AGCCGGAGATGGAGCCATCCCCGGCAGTGAGGCCGCACTGACCCCTCCCGGTCACGGCCACTGAAGC
 GTCTGTGCCGGATGGCGAGACTGACGGGACGAATCCGCTCCTCAGGCCGACGAGCCGCCCTCCGCCC
 CCACCGCCCGCGGGGGAGCTCGCCCGAGCCAGAGGCGGTGGGGCCGGAGCTGGAGGCTGAGGAGA
 AACTGTCCGTTCCGGTGGCGGAGTCGGCGGCAGCCGCGCCTCAGGGAGGGCCGGAACCTCCACCTTCTCC
 TGCATCGCCGCCGAGCAGCCCCGGCTCCCGAGGAGCGGAGGAGCCGCCGCTGCCTCAGCCCGTAGCC
 CCGGGCTCGTCCGCCGGCGGGGACTCCACGGTGTGCAACTGATCCCGGCTCGGAGGTGCGGG
 TCACGCTGGACCACATCATTGAGGACCGCTTGTGCTGCTGCTCCGCTTCGGGGAGAAGCTTTCTCCGG
 GGTCTCATGGATCTGTCCAAAAGTTTGGGCCCATGGTATCCCTGTGACAGTATTTCCAAAAGGGAA
 TATAAGGATAAACCGAAGCCATGCCGCTCCAAAGTAATACATTCGAAGAAGGGACAGAAGTCAAGTGTG
 AAGCAATGGTGTCTGTTCCCGATGACCCTTCTCCTGTCCCGCATCCCGAGCTGAGCTTGGCTGAAAGCCT
 GTGGACTTCCAAACCACCACCTCTTCCATGAAGGAGCACCTTATCCTCCCTTTGTTTATCAGGGAC
 ACATATAACCAATCAATACCTCAGCCACCTCCTCGGAAAATTAAGCGACCCAAACGAAAAATGTACAGGG
 AAGAACCCTTCAATAATGAATGCTATTAACACTCGACCCAGGCAAGTCTGTGTGATAAATGTAAAA
 CAGTGTGTTGCTGAAAAAAGGAAATAGAAAAGGTAGTAGTCAACTGACTCTTCTAATATGAAGAT
 AAAAAACGGAGAAATGAAAGTGAACACTGTGAACAAAAACTGAAAAGTACCATAAAGTGGATGGGA
 AAGTGTAAAAAGTTTCTGCTCAGGCAAATACATCAAAAGCTCAGTTAAGTACTAAAAAAGTTCTCCAGAGT
 AAGAACATGGATCATGCGAAAGCTCGGGAAGTGTAAAAATTGCCAAAGAAAAGGCACAAAAAGAAGCAAA
 ATGAAACCTCTACTTCCAAAAATGCACATTCAAAAGTCCATTTACACGTCGATATCAGAATCCTAGCTC
 AGGTTCCCTTCCACCCGGGTTGTTTTAAACCACAGAGGTACAGGAATGAAGAAAATGACTCTTCTCTG
 AAGACAGGACTTGAGAAAATGCGGAGTGGCAAGATGGCACCCAAGCCCAGTCTCGCTGCACCTTACCC
 GCTCAGCAGGTGAGGCCCTTCCAGAAAATCAGAGTCCCTCAAAGGCCCTGAAGAGGCCAGCAGTGAGGT
 TCAGGACACAAAATGAAGTGCATGTCCCTGGTATCAGGATGAACCACAGACATTGGGCAAAAAGGGCAGC
 AAAACAATATCTCTGTTTATATGACCCTAAATCAAAAGAAATCTGACTCTTCCAGTGCTTCAGTGTGTA
 GCATTGATAGCACAGATGATTTGAAATCTTCCAACCTGAGTGTAGTTCTTCTGAAAAGCTTTGATTTCC
 TCAGGACAGTATGCATGCACCTTCCACCTCCTCCACTTCTCCTCTTCAAAGGAAGAGAAAAAGCTCAGT
 AATTCCTTGA AAAATGAAAGTCTTTTCCAAAAACGTCTCTAAATGCGTCACACCAGATGGCAGGACCATAT
 GTGTAGGGGACATTGTTTGGGCCAAGATATATGGCTTCCCTTGGTGGCCAGCCCGTATTCTTACTATAAC
 TGTGAGCCGAAAGATAACGGCCTTTTAGTCCGACAGGAGGCCGATTTTCATGGTTTGGGTCTCCAACA
 ACATCTTCTGCTCTTCCAACTCTCCCCTTTTAGAAAACCTTCCAGTCACGCTTAAATAAGAAGA
 GAAAGGCCCTGTATCGCAAGGCTATCACAGAGGCAGCTAAGGCTGCCAAGCAGCTGACCCCCGAAGTGGC
 GGCTTTGTTGACACAGTTTGAACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226141 representing NM_001130864
Red=Cloning site Green=Tags(s)

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MAAVAAEAAATAASPGEGGAGEAEPMEPIPGSEAGTDPLPVTATEASVPDGETDGQQSAPQADEPPLPP
PPPPPGELARSPEAVGPELEAEEKLSVRVAESAAAAPQGGPELPPSPASPPEQPPAPEEREPEPLPQVA
PALVPPAGDSTVSQLIPGSEVRVTLDHIIEDALVVSFRFGEKLFSGVLMDSLKRFGPHGIPVTVFPKRE
YKDKPEAMPLQSNTFQEGTEVKCEANGAVPDDPSVPHPPELSLAESLWTSKPPPLFHGAPYPPPLFIRD
TYNQSIPOPPPKIKRPKRKMYREEPTSIMNAIKLRPRQVLCCKNSVVAEKKEIRKGSSATDSSKYED
KKRRNESVTTVNKCLKTDHKVDGKNQNESQKRNAVVKVSNIAHSRGRVVKVSAQANTSKAQLSTKKVLQS
KNMDHAKAREVLKIAKEKAQKKQNETSTSKNAHSKVHFTRRYQNPSSGSLPPRVRLKQRYRNEENDSSL
KTGLEKMRSGKMAPKQSRCTSTRSAGEAPSENQSPSKGPEEASSEVQDTNEVHVPDQDEPQTLGKKGS
KNNISVYMTLNQKSDSSASVCSIDSTDDLKSSNSECSSESFDFPPGSMHAPSTSSTSSSSKEEKLS
NSLKMVFVSKNVSKCVTPDGRITCVGDIWAKIYGFPPWPARILTITVSRKDNGLLVQRQEARISWFGSPT
TSFLALSQSPFLENFQSRFNKRRKGLYRKAITEAAKAAKQLTPEVRALLTFET
    
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TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8034_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

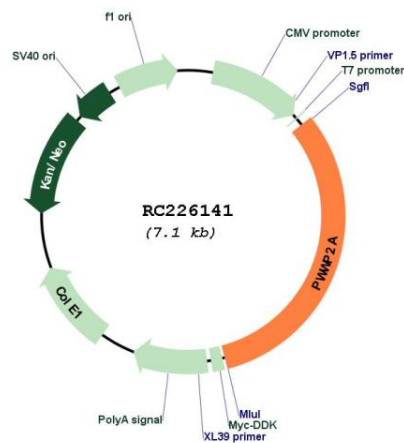
ACCN: NM_001130864

ORF Size: 2265 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:	<u>NM_001130864.2</u>
RefSeq ORF:	2268 bp
Locus ID:	114825
UniProt ID:	<u>Q96N64</u>
Cytogenetics:	5q33.3
MW:	81.8 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 RC226141