

Product datasheet for **RG226141**

PWWP2A (NM_001130864) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PWWP2A (NM_001130864) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PWWP2A
Synonyms:	MST101
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG226141 representing NM_001130864
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCGTGGCTGCAGAGGCGCAGCGACTGCAGCGTCCCCGGGGAGGGGGCGCCGCGAGGCCG
 AGCCGGAGATGGAGCCCATCCCCGGCAGTGAGGCCGGCACTGACCCCTCCCGGTCACGGCCACTGAAGC
 GTCTGTGCCGGATGGCGAGACTGACGGGAGCAATCCGCTCCTCAGGCCGACGAGCCGCCGCTCCGCGCG
 CCACCGCCCGCGCGGGGAGCTCGCCCGAGCCAGAGCGGTGGGGCCGGAGCTGGAGGCTGAGGAGA
 AACTGTCCGTTCCGGTGGCGAGTCGGCGGCAGCCGCGCTCAGGGAGGGCCGGAACCTCCACCTTCTCC
 TGCATCGCCGCCGAGCAGCCCGGCTCCGAGGAGCGGAGGAGCCGCCGCTGCCTCAGCCCGTAGCC
 CCGGCGCTCGTCCCGCGCGGGGCGGGACTCCACGGTGTGCAACTGATCCCGGCTCGGAGGTGCGGG
 TCACGCTGGACCACATCATTGAGGACGCGCTTGTCTGTCTGTTCCGCTTCGGGGAGAAGCTCTTCTCCGG
 GGTCTCATGGATCTGTCCAAAAGGTTTGGGCCCATGGTATCCCTGTGACAGTATTTCCAAAAGGGAA
 TATAAGGATAAACAGAACCCATGCCGCTCCAAAGTAATACATTCGAAGAAGGGACAGAAGTCAAGTGTG
 AAGCAATGGTGTCTGTTCCCGATGACCTTCTCTGTCTCCGCATCCCGAGCTGAGCTTGGCTGAAAGCCT
 GTGGACTTCCAAACCACCACCTCTCTTCCATGAAGGAGCACCTTATCTCCCCCTTTGTTTATCAGGGAC
 ACATATAACCAATCAATACCTCAGCCACCTCCTCGGAAAATTAAGCGACCCAAACGAAAAATGTACAGGG
 AAGAACCACCTTCAATAATGAATGCTATTAACTACGACCCAGGCAAGTTCTGTGTGATAAATGTAAAAA
 CAGTGTGTTGCTGAAAAAAGGAAATTAGAAAAGGTAGTAGTCAACTGACTCTTCTAATATGAAGAT
 AAAAAACGGAGAAATGAAAGTGTAACTACTGTGAACAAAAAAGTAAAACTGACCATAAAGTGGATGGGA
 AAAACCAAAATGAAAGCCAGAAAAGAAATGCTGTGGTTAAGGTTTCAAATATTGCTCAGCAGAGGCGAG
 AGTAGTAAAAGTTTCTGCTCAGGCAAAATACATCAAAAGCTCAGTTAAGTACTAAAAAAGTTCTCCAGAGT
 AAGAACATGGATCATGCGAAAGCTCGGGAAGTGTTAAAAATTGCCAAAGAAAAGGCACAAAAAGCAAA
 ATGAAACCTCTACTTCCAAAAATGCACATTCAAAAGTCCATTTACACGTCGATATCAGAATCCTAGCTC
 AGGTTCCCTTCCACCCCGGGTTCGTTTAAACACAGAGGTACAGGAATGAAGAAAATGACTCTTCTCTG
 AAGACAGGACTTGAGAAAATGCGGAGTGGCAAGATGGCACCAAGCCCCAGTCTCGCTGCACCTTACCC
 GCTCAGCAGGTGAGGCCCTTCCAGAAAATCAGAGTCCCTCAAAAGGCCCTGAAGAGGCCAGCAGTGAGGT
 TCAGGACACAAATGAAGTGCATGTGCCTGGTGATCAGGATGAACCACAGACATTGGGCAAAAAGGCAGC
 AAAACAATATCTCTGTTTATATGACCCTAAATCAAAAGAAATCTGACTCTTCCAGTGCTTCAGTGTGTA
 GCATTGATAGCACAGATGATTTGAAATCTTCAACTCTGAGTGTAGTTCTTCTGAAAGCTTTGATTTCC
 TCCAGGACAGTATGCATGCACCTTCCACCTCCTCCACTTCTCTCTTCAAAGGAAGAGAAAAAGCTCAGT
 AATTCTTGAAAAATGAAAGTCTTTTCCAAAAACGTCTCTAAATGCGTCACACCAGATGGCAGGACCATAT
 GTGTAGGGGACATTGTTTGGGCCAAGATATATGGCTTCCCTTGGTGGCCAGCCCGTATTCTTACTATAAC
 TGTGAGCCGGAAGATAACGGCCTTTTAGTCCGACAGGAGGCCGTATTTTCATGGTTTGGGTCTCCAACA
 ACATCTTTCCTTGCTCTTTCACAACTCTCCCCCTTTTAGAAAACTTCCAGTCACGCTTTAATAAGAAGA
 GAAAGGGCCTGTATCGCAAGGCTATCACAGAGGCAGCTAAGGCTGCCAAGCAGCTGACCCCCGAAGTGCG
 GGCTTTGTTGACACAGTTTGAAACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG226141 representing NM_001130864
 Red=Cloning site Green=Tags(s)

MAVAEEAAATAASPGEGGAGEAEPEMEPIPGSEAGTDPLPVTATEASVPDGETDGQQSAPQADEPPLPP
 PPPPPGELARSPEAVGPELEAEELSVRVAESAAAAPQGGPELPPSPASPPEQPPAPEEREPEPLQPVA
 PALVPPAGGDSTVSQLIPGSEVRVTLDHIEDALVVSFRFGEKLSGVLMDSLKRFGPHGIPVTVFPKRE
 YKDKPEAMPLQSNTFQEGTEVKCEANGAVPDDPSVPVHPELSLAESLWTSKPPPLFHEGAPYPPPLFIRD
 TYNQSIQPPPPRIKRPKRKMYREEPTSIMNAIKLRPRQVLCCKNSVVAEKKEIRKGSSATDSSKYED
 KKRRNESVTTVNKKLKTDHKVDGKNQNESQKRNAVVKVSNIAHSRGRVVKVSAQANTSKAQLSTKKVLQS
 KNMDHAKAREVLKIAKEKAQKKQNETSTSKNAHSKVHFTRRYQNPSSGSLPPRVRLKPQRYRNEENDSSL
 KTGLEKMRSGKMAPKQSRCTSTRSAGEAPSENQSPSKGPEEASSEVQDTNEVHVPDQDEPQTLGKKGS
 KNNISVYMTLNQKSDSSASVCSIDSTDDLKSSNSECSSESFDFPPGSMHAPSTSSTSSSSKEEKKLS
 NSLKMVFVSKNVSKCVTPDGRITCVGDIWAKIYGFPPWPARILTITVSRKDNGLLVQRQEARISWFGSPT
 TSFLALSQSPFLENFQSRFNKKRKLRYKAITEAAKAAKQLTPEVRALLTQFET

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



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:

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_001130864.2](#)

RefSeq Size: 3394 bp

RefSeq ORF: 2268 bp

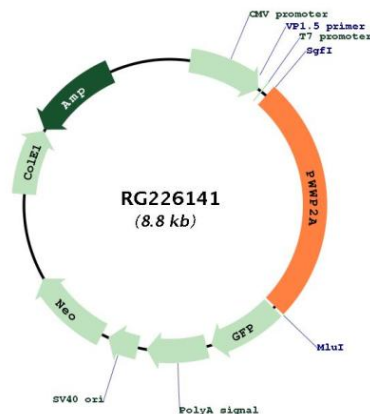
Locus ID: 114825

UniProt ID: [Q96N64](#)

Cytogenetics: 5q33.3

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 RG226141