

Product datasheet for **RG234342**

PWWP2A (NM_001267035) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PWWP2A (NM_001267035) 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:

>RG234342 representing NM_001267035
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGGCGCTGGCTGCAGAGGCGGCAGCGACTGCAGCGTCCCCGGGGAGGGGGCGCCGGCGAGGCCG
 AGCCGGAGATGGAGCCCATCCCCGGCAGTGAGGCCGGCACTGACCCCTCCCGGTCACGGCCACTGAAGC
 GTCTGTGCCGGATGGCGAGACTGACGGGCAGCAATCCGCTCCTCAGGCCGACGAGCCGCCCTCCGCCG
 CCACCGCCCGCCGGGGGAGCTCGCCCGAGCCAGAGCGGTGGGGCCGGAGCTGGAGGCTGAGGAGA
 AACTGTCCGTTCCGGTGGCGGAGTCGGCGGCAGCCGCGCCTCAGGGAGGGCCGGAACCTCCACCTTCTCC
 TGCATCGCCGCCGAGCAGCCCGGCTCCCGAGGAGCGGAGGAGCCGCCGCTGCCTCAGCCCGTAGCC
 CCGGCGCTCGTCCCGCCGGCGGGGACTCCACGGTGTGCAACTGATCCCGGCTCGGAGGTGCGGG
 TCACGCTGGACCACATCATTGAGGACGCGCTTGTCTGTCTGTTCCGCTTCGGGGAGAAGCTCTTCTCCGG
 GGTCTCATGGATCTGTCCAAAAGGTTTGGGCCCATGGTATCCCTGTGACAGTATTTCCAAAAGGGAA
 TATAAGGATAAACCAGAAAGCCATGCCGCTCCAAAGTAATACATTCGAAGAAGGGACAGAAGTCAAGTGTG
 AAGCAATGGTGTCTGTCCCGATGACCTTCTCTGTCTCCGCATCCCGAGCTGAGCTTGGCTGAAAGCCT
 GTGGACTTCCAAACCACCACTCTCTTCCATGAAGGAGCACCTTATCTCCCCCTTTGTTTATCAGGGAC
 ACATATAACCAATCAATACCTCAGCCACCTCCTCGGAAATTAAGCGACCCAAACGAAAAATGTACAGGG
 AAGAACCACCTTCAATAATGAATGCTATTAACTACGACCCAGGCAAGTCTGTGTGATAAATGTAAAAA
 CAGTGTGTTGCTGAAAAAAGGAAATTAGAAAAGGTAGTAGTCAACTGACTCTTCTAATATGAAGAT
 AAAAAACGGAGAAATGAAAGTGTAACTACTGTGAACAAAAAAGTAAAACTGACCATAAAGTGGATGGGA
 AAAACCAAAATGAAAGCCAGAAAAGAAATGCTGTGGTTAAGGTTTCAAATATTGCTCACAGCAGAGGCAG
 AGTAGTAAAAGTTTCTGCTCAGGCAAAATACATCAAAAGCTCAGTTAAGTACTAAAAAAGTTCTCCAGAGT
 AAGAACATGGATCATGCGAAAGCTCGGGAAGTGTTAAAAATTGCCAAAGAAAAGGCACAAAAAGACAAA
 ATGAAACCTCTACTTCCAAAAATGCACATTCAAAAGTCCATTTACACGTCGATATCAGAATCCTAGCTC
 AGGTTCCCTTCCACCCCGGGTTCGTTTAAACACAGAGGTACAGGAATGAAGAAAATGACTCTTCTCTG
 AAGACAGGACTTGAGAAAATGCGGAGTGGAAGATGGCACCAAGCCCCAGTCTCGCTGCACCTTACCC
 GCTCAGCAGCACAAAGACAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

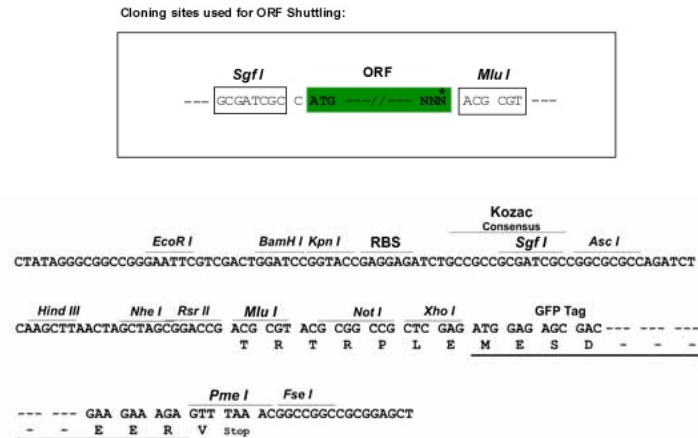
>RG234342 representing NM_001267035
 Red=Cloning site Green=Tags(s)

MAAVAAEAAATAASPGEGGAGEAEPEMEPIPGSEAGTDPLPVTATEASVPDGETDGQQSAPQADEPPLPP
 PPPPPGELARSPEAVGPELEAEKLSVRVAESAAAAAQGGPELPPSPASPPEQPPAPEEREPEPLPQPV
 PALVPPAGGDSTVSQLIPGSEVRVTLDHIIEDALVVSFRFGEKLFSGVLMDSLKRFGPHGIPVTVFPKRE
 YKDKPEAMPLQSNTFQEGTEVKCEANGAVPDDPSVPVPHPELSLAESLWTSKPPPLFHGAPYPPPLFIRD
 TYNQSIQPPPRKIKRPKRKMYREEPTSIMNAIKLRPRQVLCDKCKNSVVAEKKEIRKGSSATDSSKYED
 KKRRNESVTTVNKKLKTDHKVDGKNQNESQKRNAVVKVSNIAHSRGRVVKVSAQANTSKAQLSTKKVLQS
 KNMDHAKAREVLKIAKEKAQKKQNETSTSKNAHSKVHFTRRYQNPSSGSLPPRVRLKPQRYRNEENDSSL
 KTGLEKMRSGKMAPKQSRCTSTRSAAQRH

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001267035

ORF Size: 1560 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_001267035.3](#)

RefSeq Size: 3896 bp

RefSeq ORF: 1563 bp

Locus ID: 114825

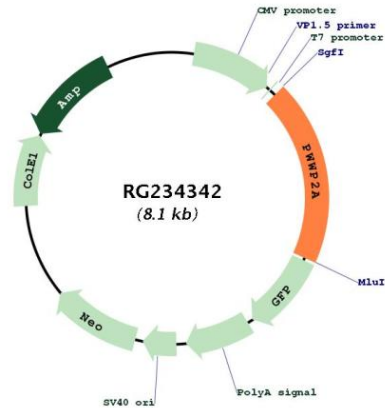
UniProt ID: [Q96N64](#)

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 RG234342