

Product datasheet for **RG211098**

PWWP3A (NM_032853) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PWWP3A (NM_032853) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PWWP3A
Synonyms:	EXPAND1; HSPC211; MUM-1; MUM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG211098 representing NM_032853
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGCGGATGCCAAGTATGTCTCTGCCGATGGGAAAAGCGATTATGGCCTGCGAAGGTTTTGGCCC
 GAACCGCGACTTCAACAAAAAATAAGAGAAGAAAGGAATATTTCTAGCTGTGCAATCCTCTCCCTAGA
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 CAAGACGGCTGAGGAGAAGTACATCAAGGGGCCTTCGCTGAGCTACCGGGAAAAAGAAATATTTGACAAC
 CAGCTCCTTGAAGAGCGGAACCGCGCCGTCGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG211098 representing NM_032853
 Red=Cloning site Green=Tags(s)

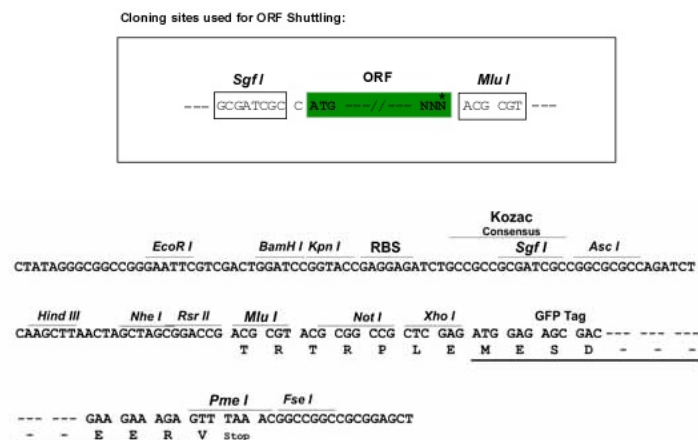
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 KKYFVPAVVKSVRQDKKASVLYIEGHMNPMMKGFVSLKSLKHFDCKEKQTLNQAREDFNQDIGWCV
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 QLLEERNRRRR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_032853

ORF Size: 2133 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_032853.2](#), [NP_116242.2](#)

RefSeq Size: 4179 bp

RefSeq ORF: 2133 bp

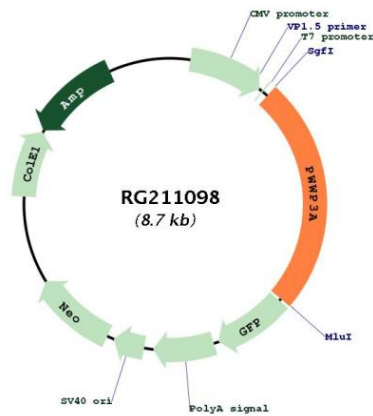
Locus ID: 84939

UniProt ID: [Q2TAK8](#)

Cytogenetics: 19p13.3

Gene Summary: Involved in the DNA damage response pathway by contributing to the maintenance of chromatin architecture. Recruited to the vicinity of DNA breaks by TP53BP1 and plays an accessory role to facilitate damage-induced chromatin changes and promoting chromatin relaxation. Required for efficient DNA repair and cell survival following DNA damage. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG211098