

Product datasheet for **SC322055**

PWWP3A (NM_032853) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PWWP3A (NM_032853) Human Untagged Clone
Tag:	Tag Free
Symbol:	PWWP3A
Synonyms:	EXPAND1; HSPC211; MUM-1; MUM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_032853, the custom clone sequence may differ by one or more nucleotides

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ATGATGGCGGATGCCAAGTATGTCCTCTGCCGATGGGAAAAGCGATTATGGCCTGCGAAGGTTTTGGCCC
GAACCGCGACTTCAACAAAAAATAAGAGAAGAAAGGAATATTTTCTAGCTGTGCAATCCTCTCTCTAGA
GGAAAAAATTAAGGTGAAAAGCACTGAAGTTGAGATCCTAGAGAAGTCTCAAATGAAGCCATTGCTTCC
TCGTTAGCCTCACAGAATGAGGTTCTGCGGCACCCCTGGAAGAACTGGCCTACAGACGGTCGCTTCGCG
TGGCTCTGGACGTTCTGAGCGAGGGCTCGATTTGGAGTCAAGAAAAGCTCTGCAGGACAGGTAGAGCTGA
CCGGTCTCTGCGAGGGAAGCCATGGAGCATGTCTCTCGCCCTGTGATTGAACTCCTCATCTCTTCCC
CGCGGAGACGTGTTGGGCAGTTCAGACCTCACAGGAGGAGGCCATGTGTGCAACAAAGCCTGTCAAGTT
CGTTCACTTGTGAAAAGGACCCCGAGTGCAAAGTGGACCACAAGAAGGGGCTCAGGAAAAGTAAAAACCC
AAGAGGCCCGTTGGTCTCCAGCTGGAGGTGGTCCCAAGATGAGAGTGGGTCCAGAATCCACCACAAA
AATTGGACTCTTGAAGTAAAGAGGGGAGGAACTCAGCGCAGAAGGCTAGCTTGTGCCTGAATGGATCTT
CCTTTTAGAGGACGACCGGAGAGACATGGGGAGCAAAGGAGGCAGCTGGGCAGCCCGTCTTGGCC
CTCCGGGGTCAAGGAGGACGATCCCTGTGCCAACGCTGAGGGACACGACCCCGGTCTGCCGTTGGGCAGC
CTCACTGCGCCCCAGCCCTGAGCCCTCGGCCTGCTCAGAGCCTGGAGAATGCCCTGCGAAAAAGAGGC
CGCGCCTGGATGGCAGCCAAAGGCCGCTGCCGTGCAGCTGGAGCCCATGGCAGCAGGGGCCGACCATC
CCCCGGGCGGGGCCAGGGCCAGAGAGTCTGTGACCCCGCAGCACCGCCAGGCTGGGCCCGCTCCC
TCCCACGCCTCTGCGGATGCAACCAGATGTCTTCTTCCCGGATTCCCAGAAGCTGGAGAAAGAGTGCC
AGTCTTCCGAAGAGTCCATGGGGTCTAATTCATGCGTCTATCCTGGAGGAAGACGAGGAAGACGAGGA
GCCACCAAGAGTCTTTTATACCACGAACCACGTTTCGTTTGAAGTAGGAATGCTAGTCTGGCATAAACAT
AAAAAATACCCCTTCTGGCCAGCAGTGGTCAAAGCGTCAAGCAGAGAGATAAGAAAGCAAGTGTGCTAT
ACATCGAAGGACACATGAACCCGAAAATGAAAGGTTTCACAGTGTCTTAAAAGTTTAAAGCACTTTGA
TTGTAAGAGAAAACAGACGCTTCTGAATCAAGCCAGGGAGGACTTCAACCAGGACATCGGCTGGTGTGTC
TCCCTCATCACCGACTACAGGTCGGTTAGGCTGCGGGTCTTTTCTGGCTCTTCTGGAATATTACG
CGGCTGATATAAGCTATCCTGTCCGAAAATCCATCCAGCAGGACGCTTGGGGACCAAGCTTCTCAACT
GAGCAAGGGGAGCCCGAGGAGCCCGTGGTGGGTGCCCTGGGGCAGAGGCAGCCCTGCCGAAAATG
CTCCCGACCGCTCGCGGGCCCGGGACCAGGCAACCAGAAGCTGGTGGAGTACATTGTGAAGGCCA
AGGGCGCGGAGAGCCACCTGCGGGCCATCTAAGAGCAGGAAGCCATCTCGCTGGCTGCAGACCTTCT
GAGCTCCAGCCAGTACGTGACCTGTGTGGAGACCTACCTGGAGGATGAGGGGCAGCTGGACCTGGTGGT
AAGTACCTGCAGGGCGTCTACCAGGAGGTGGGGCCAAAGGTGCTCCAGCGCACCACGGGACCGGATCC
GGTTCATTCTGGACGTGCTTCTGCCGAGGCCATCATCTGTGCGATCTCTGCGGTGGACGAGGTGGACTA
CAAGACGGCTGAGGAGAAGTACATCAAGGGGCCTTCTGCTGAGCTACCGGGAAAAAGAAATATTTGACAAC
CAGCTCCTTGAAGAGCGGAACCGGCGCCGTCGGTGA
    
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Restriction Sites: Please inquire

ACCN: NM_032853

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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: 2136 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]

Transcript Variant: This variant (1) lacks an alternate coding exon compared to variant 4. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a. Variants 1 and 3 both encode the same isoform (b). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. CCDS Note: The coding region has been updated to shorten the N-terminus to one that is more supported by conservation.