

Product datasheet for **SC103191**

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-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC103191 representing NM_032853.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGATGGCGGATGCCAAGTATGTCCTCTGCCGATGGGAAAAGCGATTATGGCCTGCGAAGGTTTTGGCC
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Chromatograms: https://cdn.origene.com/chromatograms/mk8079_a11.zip

Restriction Sites: SgfI-MluI

ACCN: NM_032853

Insert Size: 2136 bp

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).

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:	NM_032853.2
RefSeq Size:	4119 bp
RefSeq ORF:	2136 bp
Locus ID:	84939
UniProt ID:	Q2TAK8
Cytogenetics:	19p13.3
MW:	78.8 kDa
Gene Summary:	<p>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]</p> <p>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.</p>