

Product datasheet for **MG208040**

Pwp1 (NM_133993) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pwp1 (NM_133993) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pwp1
Synonyms:	2310058A11Rik; 2610205J09Rik; AI098170; AL022879; AV083409; AW550690
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208040 representing NM_133993
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCGCAGCCGCCAAGTGACCTGCGTGGCCTGGGTCCGCCGGCGTGGCCAAAGAGACTCCAGACA
 AGGTAGAGCTAAGTAAAGAGGAAGTGAACCGTCTCATCGCTGAAGCAAAAGGAAAAGTTGCAAGAAGAAGG
 TGGGAGTGAAGAAGAGGAGGCAGGCAACCCCTCAGAAGATGGCATGCAGAGTGGCCCGACTCAGGCACCG
 CCTAGGGAGTCCCTGGAGGATGGGGATCCACAAGATGACCGCACACTGGACGATGACGAGCTGGCGGGT
 ACGACTTAGATAATTATGACGAAGAGGATAACCCAGATGCTGAGACCATTGGCGAGTCTCTGTTGGGTCT
 TACGGTCTATGGCAGTAATGACCAGGATCCATATGTCACCTTGAAAGACACGGAACAATATGAGCATGAA
 GATTTCTTGATTAAGCCGACTGACAACCTCATCGTTTGTGGCCGTGCTGAACAAGAGCAGTGCAATCTAG
 AGGTGCACGTTTACAATCAAGAAGAGGAGTCTTCTACGTCCACCATGACATACTCTGTCTGCATACCC
 TCTGAGTGTGGAATGGCTGAATTTTATCCTAGCCAGATGCATCTACTGGGAATTACATTGCTGTGGGA
 AACATGACTCCTGTCATCGAGGTATGGGACCTGGATATAGTGGACTCTCTAGAACCAGTCTTCACACTGG
 GAAGCAAGCTTTCCAAAAGAAGAAGAAGAAAGGGAAGAAGATTCTCAGCAGAAGGACATACTGATGC
 TGTCTTGACCTATCCTGGAATAAGACAGTCAGAAATGTGCTGGCAAGTGCATCGGCAGACAGCACTGTA
 GTTCTCTGGGATCTGTCTGTGGGAAAGTCAAGTACGAGGCTTACTGCACATACAGACAAGGTTTCACTC
 TGCAGTTTCATCCATTTGAAGCACAGACTCTGATTTCTGGGTCTATGACAAATCGGTGGCTCTGTATGA
 CTGCAGAGATCCCAGCCAGAACCACCGCAGTGGCGGTTCAAGTGGCAGATCGAGAGAGTGACCTGGAAC
 CACTTCTACCCGTGTCATTTCTGGCCAGTACAGATGATGGCTTGTGTATAACCTGGATGCACGTTTCAG
 ACAAGCCAATCTTACACTTAATGCACACAACGATGAAATCTCTGGTCTTATGATCTAGCAGTCACTCAA
 AGGCTGCCTTGTGACTGCTTCCGCTGACAAATTTGTGAAGATCTGGGACATCTTAGGAGATAGGCCAAGT
 CTCATTACTCTAGAGACATGAAATGGGAGTTCTCTTTTGTCTCTCTGCTGCTGCTGACTTGCCATTTG
 TTTATGCCTTTGGAGGACAGAAAGAAGGCTTCGGGTTTGGGACATAAGCACTGTGTCTTCAAGTAATGA
 AGCATTGGAAGACGGGAGCGACTCGTTATAGCGGCACGAAAGGTTTATCTGTTAGCGGCCCTGTGGG
 AGCAGGAGTCCACAGCAGACACCAATGGAGTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208040 representing NM_133993
 Red=Cloning site Green=Tags(s)

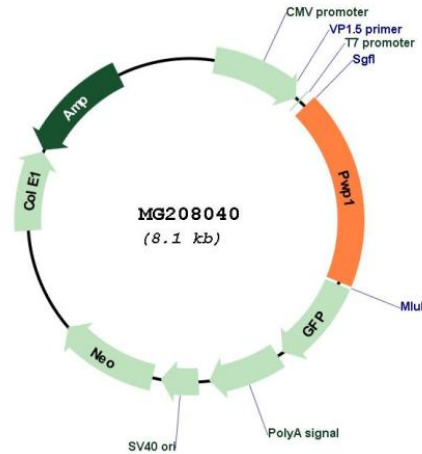
MNRSRQVTCVAWVRRGVAKETPKVELSKEEVNRLIAEAKGKLQEEGGSEEEEAGNPSEDGMQSGPTQAP
 PRESLEDGDPQDDRTLDDDELAGYDLNDEEDNPDAETIGESLLGLTVYGSNDQDPYVTLKDEQYEHE
 DFLIKPTDNLIVCGRAEQEQCNLEHVHVNQEEESFYVHHDILL SAYPLSVEWLNFDPSPDASTGNYIavg
 NMTPVIEVWDLDIVDSLEPVFTLGSKLSKKKKKKGKSSSAEGHTDAVLDSLWNKTVRNVLASASADSTV
 VLWDL SVGKSVARLTAHTDKVQTLQFHPFEAQTLISGSYDKSVALYDCRDPSONHRQWRFSGQIERVTWN
 HFSPCHFLASTDDGFVYNLDARSDKPIFTLNAHNDEISGLDLSSQIKGCLVTASADKFVKIWDILGDRPS
 LIHSRDMKMGVLCSSCCPDLPFVYAFGGQKEGLRVWDISTVSSVNEAFGRRLRVIIGGKGLSVSGPCG
 SRSPQQTPMES

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN: NM_133993

ORF Size: 1503 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_133993.1](#), [NP_598754.1](#)

RefSeq Size: 2539 bp

RefSeq ORF: 1506 bp

Locus ID: 103136

UniProt ID: [Q99LL5](#)

Cytogenetics: 10 C1

Gene Summary: Chromatin-associated factor that regulates transcription (By similarity). Regulates Pol I-mediated rRNA biogenesis and, probably, Pol III-mediated transcription (By similarity). Regulates the epigenetic status of rDNA (By similarity).[UniProtKB/Swiss-Prot Function]