

Product datasheet for **RG200892**

PWP1 (NM_007062) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | PWP1 (NM_007062) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | PWP1 |
| Synonyms: | IEF-SSP-9502 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG200892 representing NM_007062
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACCGCAGCCGCCAGGTGACGTGCGTGGCCTGGTCCGCTGCGGCGTGGCCAAAGAGACACCAGACA
 AGGTAGAGCTGAGTAAAGAAGAAGTAAAACGCCTCATTGCTGAGGCAAAGGAGAAATTGCAAGAAGAAGG
 TGGTGGCAGTGATGAAGAGGAGACAGGCAGTCCTTCAGAAGATGGCATGCAGAGTGCACGCCACCCAGGCA
 CGCCCAAGAGAGCCCTGGAGGATGGTACCCAGAGGATGACAGGACGCTTGATGATGATGAGCTGGCTG
 AGTACGACTTAGATAAATATGATGAGGAAGGTGACCCAGATGCTGAGACTCTTGGTGAATCTCTCTGGG
 TCTTACGGTCTACGGGAGTAATGATCAAGATCCTTACGTTACTCTGAAAGATACAGAACAATATGAACGT
 GAAGATTTCTTGATTAAGCCAGTGATAATCTTATAGTTTGTGGCCGAGCTGAACAGGACCAGTGAATT
 TAGACGTGCATGTTTATAATCAAGAAGAAGACTCTTTTTATGTACACCATGATATACTCTTGTCTGCATA
 TCCTCTGAGTGTGAATGGCTGAATTTTATCCTAGCCAGATGATTCTACTGGAATTACATTGCTGTA
 GAAACATGACCCCTGTTATTGAAGTGTGGACCTTGATATAGTGGACTCTTTAGAGCCAGTCTTACAC
 TCGGAAGTAACTTTCAAAAAGAAGAAAAGAAAGAAAGAAAGATTTCCTCAGCAGAAGGGCATACCGA
 TGCTGTCTTGACCTTTCATGGAATAAGCTAATCAGAAATGTTTTAGCAAGTGCATCAGCTGACAACACT
 GTAATTCTGTGGGATATGTCCTTGGGAAACCAGCAGCTAGCCTCGCTGTACACACAGACAAGGTCCAAA
 CACTGCAGTTTCATCCATTTGAAGCACAGACTCTGATTTCTGGCTCATATGATAAGTCAAGTGGCTTTGTA
 TGACTGCCAAGTCCAGATGAAAGCCATCGAATGTGGCGATTCAAGTGGCCAGATAGAGAGAGTCACTGG
 AATCACTTTTACCTTGTCAATTTCTGGCCAGTACAGATGACGGCTTGTATATAATTTGGATGCACGTT
 CAGATAAGCCAATTTTACACTTAATGCACACAATGATGAAATCTCTGGTCTTGTCTTAGCAGTCAAAT
 CAAGGGCTGTCTCGTACTGCTTCAGCTGACAAATACGTGAAGATCTGGGACATCTTAGGAGATAGGCCA
 AGTCTAGTTCATTCTAGGACATGAAAATGGGAGTTCTCTTCTGTTCTTATGTTGCCCTGATTTGCCAT
 TTATTTATGCCCTTCAGGTCAAAAGAAGGGCTTCGGGTCTGGGATATAAGCACAGTCTCTTCAAGTAAA
 TGAAGCATTTGGAAGACGAGAGAGGCTTGTCTTGGGAGTGAAGAAATTCATCTATTAGTGGCCCTTTT
 GGCAGCAGGAGCTCAGATACACCCATGGAGTCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG200892 representing NM_007062
 Red=Cloning site Green=Tags(s)

MNRSRQVTCVAWVRCGVAKETPKVELSKEEVKRLIAEAKEKLQEEGGGSDEEETGSPSEDGMQSARTQA
 RPRELEDGDPEDDRTLDDDELAEYDLKDYDEEGDPDAETLGESELLGLTVYGSNDQDPYVTLKDTEQYER
 EDFLIKPSDNLIVCGRAEQDQCNDLVHVNQEEEDSFYVHHIDILLSAYPLSVEWLNFDPSDDSTGNYIAV
 GNMTPIEVWDLDIVDSLEPVFTLGSKLKSKKKKKGKSSSAEGHTDAVLDSLWNKLIRNVLASASADNT
 VILWMSL GKPAASLAVHTDKVQTLQFHPFEAQTLSGSYDKSVALYDCRSPDESHRMWRFSGQIERVTW
 NHFSPCHFLASTDDGFVYNLDARSDKPIFTLNAHNDEISGLDLSSQIKGCLVTASADKYVKIWDILGDRP
 SLVHSRDMKMGVLFCSGCCPDLPFIYALRGQKEGLRVWDISTVSSVNEAFGRRLRVLGSAARNSSISGPF
 GSRSSDTPMES

TRTRPLE – GFP Tag – V

Restriction Sites:

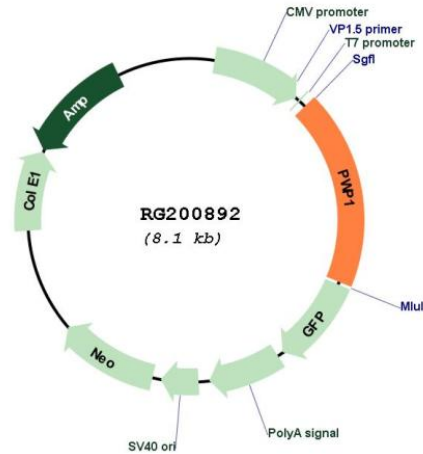
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_007062

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_007062.1](#), [NP_008993.1](#)

RefSeq Size: 1853 bp

RefSeq ORF: 1506 bp

Locus ID: 11137

UniProt ID: [Q13610](#)

Cytogenetics: 12q23.3

Domains: WD40

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene contains several WD-40 repeats and is found mostly in the nucleus. The expression and localization of this protein are cell cycle dependent. Expression of this gene is upregulated in pancreatic adenocarcinoma. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]