

Product datasheet for **RC200892**

PWP1 (NM_007062) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PWP1 (NM_007062) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PWP1
Synonyms:	IEF-SSP-9502
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC200892 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACCGCAGCCGCCAGGTGACGTGCGTGGCCTGGTCCGCTGCGGCGTGGCCAAAGAGACACCAGACA
 AGGTAGAGCTGAGTAAAGAAGAAGTAAAACGCCTCATTGCTGAGGCAAAGGAGAAAATTGCAAGAAGAAGG
 TGGTGGCAGTGATGAAGAGGAGACAGGCAGTCCTTCAGAAGATGGCATGCAGAGTGCACGCACCCAGGCA
 CGCCAAAGAGAGCCCTGGAGGATGGTACCCAGAGGATGACAGGACGCTTGATGATGATGAGCTGGCTG
 AGTACGACTTAGATAAATATGATGAGGAAGGTGACCCAGATGCTGAGACTCTTGGTGAATCTCTCTGGG
 TCTTACGGTCTACGGGAGTAATGATCAAGATCCTTACGTTACTCTGAAAGATACAGAACAATATGAACGT
 GAAGATTTCTTGATTAAGCCAGTGATAATCTTATAGTTTGTGGCCGAGCTGAACAGGACCAGTGAATT
 TAGACGTGCATGTTTATAATCAAGAAGAAGACTCTTTTTATGTACACCATGATATACTCTGTCTGCATA
 TCCTCTGAGTGTGAATGGCTGAATTTTATCCTAGCCAGATGATTCTACTGGAATTACATTGCTGTA
 GAAACATGACCCCTGTTATTGAAGTGTGGGACCTTGATATAGTGGACTTTTAGAGCCAGTCTTACAC
 TCGGAAGTAACTTTCAAAAAGAAGAAAAGAAAGAAAGAAAGATTTCCTCAGCAGAAGGGCATACCGA
 TGCTGTCTTGACCTTTCATGGAATAAGCTAATCAGAAATGTTTTAGCAAGTGCATCAGCTGACAACACT
 GTAATTCTGTGGGATATGTCCTTGGGAAACCAGCAGCTAGCCTCGCTGTACACACAGACAAGGTCCAAA
 CACTGCAGTTTCATCCATTTGAAGCACAGACTCTGATTTCTGGCTCATATGATAAGTCACTGGCTTTGTA
 TGACTGCCAAGTCCAGATGAAAGCCATCGAATGTGGCGATTCACTGGCCAGATAGAGAGTGAAGTGG
 AATCACTTTTACCTTGTCAATTTCTGGCCAGTACAGATGACGGCTTGTATATAATTTGGATGCACGTT
 CAGATAAGCCAATTTTTACACTTAATGCACACAATGATGAAATCTCTGGTCTTGATCTTAGCAGTCAA
 CAAGGGCTGTCTCGTACTGCTTCAGCTGACAAAACGTAAGATCTGGGACATCTTAGGAGATAGGCCA
 AGTCTAGTTCATTCTAGGACATGAAAATGGGAGTTCTTCTGTTCTTATGTTGCCCTGATTTGCCAT
 TTATTTATGCCCTTCAGGTCAAAAGAAGGGCTTCGGGTCTGGGATATAAGCACAGTCTCTTCAAGTAA
 TGAAGCATTGGAAGACGAGAGAGGCTTGTCTTGGGAGTGAAGAAATTCATCTATTAGTGGCCCTTTT
 GGCAGCAGGAGCTCAGATACACCCATGGAGTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200892 protein sequence
 Red=Cloning site Green=Tags(s)

MNRSRQVTCVAWVRCGVAKETPKVELSKEEVKRLIAEAKEKLQEEGGSDDEETGSPSEDGMQSARTQA
 RPRELEDGDPEDDRTLDDDELAEYDLKYEEDGPDATLGESELLGLTVYGSNDQDPYVTLKDTEQYER
 EDFLIKPSDNLIVCGRAEQDQCNDLVHVVNQEEDSFYVHHDILL SAYPLSVEWLNFDPSDDSTGNVIAV
 GNMTVPVIEVWDLDIVDSLEPVFTLGSKLSKKKKKGGKSSSAEGHTDAVLDSLWNKLRNVLASASADNT
 VILWMSLKGPAASLAVHTDKVQTLQFHPFEAQTLSGSYDKSVALYDCRSPDESHRMWRFSGQIERVTW
 NHFSPCHFLASTDDGFVYNLDARSDKPIFTLNAHNDEISGLDLSSQIKGCLVTASADKYVKIWDILGDRP
 SLVHSRDMKMGVLCSSCCPLPFYALRGQKEGLRVWDISTVSSVNEAFGRRLRVLGSARNSSISGPF
 GSRSSDTPMES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6707_c05.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


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_007062.3](#)

RefSeq Size: 1853 bp

RefSeq ORF: 1506 bp

Locus ID: 11137

UniProt ID: [Q13610](#)

Cytogenetics: 12q23.3

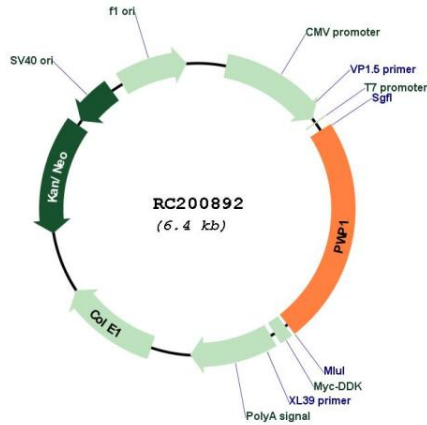
Domains: WD40

Protein Families: Transcription Factors

MW: 55.9 kDa

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]

Product images:



Circular map for RC200892