

Product datasheet for **RC239109**

PPWD1 (NM_001278926) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPWD1 (NM_001278926) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPWD1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC239109 representing NM_001278926
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGAGAACGAAGAGCGCTGGTTGGACCTTTACCTGTGGAGGCAACACTGGCCAAGAAGAGGAAAGC
 AGCCACATGAAGTTGGAATTTCAACTCTTATTTAGTCTTAGAGTTTGAAGAGTCTATCTTGATAATCT
 CCCCAGTGCATCCATGTATGAGCGCAGTTACATGCATAGAGATGTTATCACCCATGTGGTATGCACCAAA
 ACAGATTTTATTACTGCCAGTCATGATGGACATGTCAAGTTCTGGAAAAAATAGAAGAGGGAATTG
 AATTTGTTAAACATTTTCGTAGTCACCTGGGAGTTATTGAGAGTATTGCAGTTAGCTCTGAGGGAGCATT
 GTTCTGTTCTGTGGTGATGATAAAGCAATGAAGGTGTTTGTAGTGAAGTTTGCATGATCAACATG
 CTGAAACTTGGCTATTTTCTGGACAGTGTGAGTGGATCTATTGCCAGGGGATGCAATTTCTTCAGTTG
 CTGCTCCGAAAAGAGTACAGGAAAAATTTTCATTTATGATGGCCGAGGAGATAACCAGCCACTTCATAT
 TTTTGACAACTCCATACATCACCTCTTACTCAGATACGGCTAAACCCAGTTTACAAAGCAGTAGTGTCT
 TCTGACAAATCTGGGATGATTGAATACTGGACTGGGCCTCCTCATGAATAAAATCCCCAAAAATGTGA
 ACTGGGAATATAAACTGACACTGATTTATATGAATTTGCCAAGTGAAGGCTTATCCAACAGCGTATG
 TTTTCCACAGATGGGAAGAAAATAGCTACTATTGGTTCTGATAGAAAAGTTAGAATTTTCAGATTTGTA
 ACTGGAAAACCTCATGAGAGTCTTTGATGAATCACTAAGCATGTTTACTGAACTGCAACAGATGAGGCAAC
 AGTTACCAGACATGGAATTTGGCCGACGAATGGCTGTAGAACGTGAGTTGGAGAAGGTTGATGCTGTAAG
 ATTAATTAATATAGTTTTGATGAACTGGACACTTCGTGCTGTATGGAACAATGCTGGGCATTAAGTT
 AATAATGATAGACAAAACCGGTGTGCGGATTTTAGGCAACAAGAAAATATTAGAGTGATGCAATTTGG
 CTTTGTCCAGGGGATAGCCAAAAGCATCGTGTGCAACTACTATAGAAATGAAAGCTTCTGAAAATCC
 TGTTCTTCAGAATATTCAGCTGACCCAACAATAGTCTGTACATCATTCAAAAAGAATAGATTTTATATG
 TTTACCAACGAGAACCAGAAGATACGAAAAGTGCAGATTCTGATCGAGATGTTTTAATGAGAAACCTT
 CTAAGAAGAAGTCATGGCAGCTACTCAAGCTGAAGGACCTAAACGAGTTTCGGACAGTGCCATTATCCA
 CACCAGCATGGGAGACATTCACACCAAACCTTTTCTGTTGAGTGCCTAAGACAGTGGAAAACCTCTGT
 GTTCACAGCAGAAATGGTTATTATAATGGGCATACATTTACCGTATAATTAAGGCTTTATGATTCAGA
 CTGGAGATCCAACAGTACTGGTATGGGAGGAGAAAGCATATGGGGAGGAGAATTTGAAGATGAATTTCA
 TTCAACATTACGACATGACAGGCCATACACACTCAGCATGGCTAACGCGGGATCAATACTAATGGATCC
 CAGTTTTTCATAACGGTAGTACCAACGCCTTGGCTTGATAATAAGCATACAGATTTGGACGAGTGACTA
 AAGGAATGGAAGTTGTACAGAGGATCTCCAACGTCAAAGTCAATCCCAAAACAGATAAGCCCTATGAGGA
 TGTGAGCATCATAAATATTACTGTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239109 representing NM_001278926
 Red=Cloning site Green=Tags(s)

MRRTKSAGLDL YLWRQHWP RRKQPHEVGISNSYL VLEFERVYLDNLPSASMYERSYMRDVIITHVVCTK
 TDFIITASHDGHVKFWKIEEGIEFVKHFRSHLGVIESIAVSSEALFCSVGGDKAMKVFDDVNFDMINM
 LKLGYPFGQCEWIYCPGDAISSVAASEKSTGKIFIYDGRGNQPLHIFDKLHTSPLTQIRLNPVYKAVVS
 SDKSGMIEYWTGPPHEYKFPKNVNWEYKTDLDL YEFKCKAYPTSVCFSPDGKKIATIGSDRKVRIFRFV
 TGKLMRVFDELSMFTQLQMRQQLPDMEFGRRMAVERELEKVDVRLINIVFDETHGFVLYGTMLGIKIV
 INVETNRCVIRILGKQENIRVMQLALFQGI AKKHRAATTIEMKASENPVLQNIQADPTIVCTSFKKNRFYM
 FTKREPEDTKSADSDRDVFNKPSKEEVMAATQAEGPKRVSDSAIHTSMGDIHTKLPVECPKTVENFC
 VHSRNGYYNGHTFHRIIKGFMIQTGDPTGTGMGGESIWGGEFEDEFHSTLRHDPYTLSMANAGSNTNGS
 QFFITVVPWPWLDNKHTVFGRVTKGMEVVQRISNVKVNPKTDKPYEDVSIINITVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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:	<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_001278926.1 , NP_001265855.1
RefSeq Size:	2216 bp
RefSeq ORF:	1851 bp
Locus ID:	23398
UniProt ID:	Q96BP3
Cytogenetics:	5q12.3
MW:	70.7 kDa
Gene Summary:	PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding (PubMed:20676357). May be involved in pre-mRNA splicing (PubMed:11991638).[UniProtKB/Swiss-Prot Function]