

Product datasheet for **RC238525**

PPWD1 (NM_001278929) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPWD1 (NM_001278929) 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:

>RC238525 representing NM_001278929
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGTGTTTGTAGTGAACCTTTGACATGATCAACATGCTGAACTTGGCTATTTCTGGACAGT
 GTGAGTGGATCTATTGCCAGGGATGCAATTTCTCAGTTGCTGCTCCGAAAAGAGTACAGGAAAAAT
 TTTCAATTTATGATGGCCGAGGAGATAACACGCCACTTCATATTTTTGACAACTCCATACATCACCTCTT
 ACTCAGATACGGCTAAACCCAGTTTACAAAGCAGTAGTGTCTTCTGACAAATCTGGGATGATTGAATACT
 GGACTGGCCCTCCTCATGAATATAAATTCCTCAAAAATGTGAACTGGGAATATAAACTGACACTGATTT
 ATATGAATTTGCCAAGTGAAGGCTTATCCAACACGCGTATGTTTTCCACAGATGGGAAGAAAATAGCT
 ACTATTGGTTCTGATAGAAAAGTTAGAATTTTCAGATTTGTAAGTAACTGGAAAACCTCATGAGAGTCTTTGATG
 AATCACTAAGCATGTTTACTGAACTGCAACAGATGAGGCAACAGTACCAGACATGGAATTTGGCCGACG
 AATGGCTGTAGAACGTGAGTTGGAGAAGTTGATGCTGTAAGATTAATTAATATAGTTTTGATGAACT
 GGACACTTCGTGCTGTATGGAACAATGCTGGGCATTAAAGTTATAAATGTAGAGACAAACCGGTGTGTGC
 GGATTTTAGGCAACAAGAAAATATTAGAGTGTGCAATTTGGCTTTGTTCCAGGGGATAGCCAAAAAGCA
 TCGTGTGCAACTACTATAGAAATGAAAGCTTCTGAAAATCCTGTTCTTCAGAATATTCAAGCTGACCCA
 ACAATAGTCTGTACATCATTCAAAAAGAATAGATTTTATATGTTTACCAACGAGAACGAGAAGATACGA
 AAAGTGCAGATTTCTGATCGAGATGTTTTAATGAGAACTTCTAAAGAAGAAGTCATGGCAGCTACTCA
 AGCTGAAGGACCTAAACGAGTTTCGGACAGTGCCATTATCCACACCAGCATGGGAGACATTCACACCAAA
 CTTTTCTGTTGAGTGCCCTAAGACAGTGGAAAACCTTCTGTGTTACAGCAGAAAATGGTTATTATAATG
 GGCATACATTTACCCTATAATTAAGGGCTTTATGATTACAGACTGGAGATCCAACAGGACTGGTATGGG
 AGGAGAAAAGCATATGGGGAGGAGAATTTGAAGATGAATTTCAATCAACATTACGACATGACAGGCCATAC
 ACACTCAGCATGGCTAACGCGGGATCAAATACTAATGGATCCCAGTTTTTCATAACGGTAGTACCAACGC
 CTTGGCTTGATAATAAGCATACAGTATTTGGACGAGTGACTAAAGGAATGGAAGTTGTACAGAGGATCTC
 CAACGTCAAAGTCAATCCCAAAACAGATAAGCCCTATGAGGATGTCAGCATCATAAATATTACTGTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238525 representing NM_001278929
 Red=Cloning site Green=Tags(s)

MKVFDVVNFDMINMLKLYFPQGCEWIYCPGDAISSVAASEKSTGKIFIYDGRGDNQPLHIFDKLHTSPL
 TQIRLNPVYKAVVSSDKSGMIEYWTGPPHEYKFPKNNVWEYKTDLDLYEFAKCKAYPTSVCFSPDGKKIA
 TIGSDRVRIFRFVTGKLMRVFDESLSMFTELQMRQQLPDMEFGRRMAVERELEKVDVRLINIVFDET
 GHFVLYGTM LGIKVINVETNRCVRILGQENIRVMQLALFQGIAKKHRAATTIEMKASENPVLQNIQADP
 TIVCTSFKKNRFYMTKREPEDTKSADSDRDVFNEKPSKEEVMAATQAEGPKRVSDSAIIHTSMGDIHTK
 LFPVECPKTVENFCVHSRNGYYNGHTFHRIKGFMIQTGDPTGTGMGGESIWGGEFEDEFHSTLRHRDPY
 TLSMANAGSNTNGSQFFITVVPWPWLDNKHTVFRVTKGMEVVQRISNVKVNPKTDKPYEDVSIINITVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

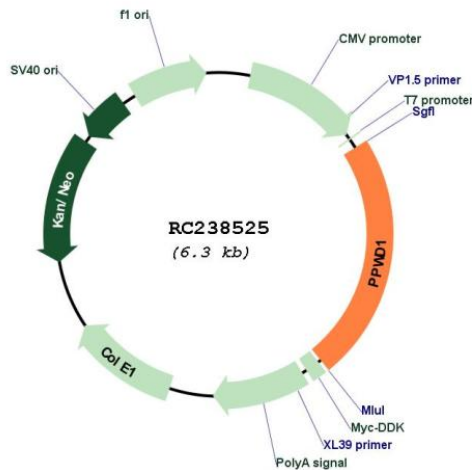
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001278929

ORF Size: 1470 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:	<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_001278929.1 , NP_001265858.1
RefSeq Size:	2076 bp
RefSeq ORF:	1473 bp
Locus ID:	23398
UniProt ID:	Q96BP3
Cytogenetics:	5q12.3
MW:	56.1 kDa
Gene Summary:	PPlase 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]