

Product datasheet for **RC238612**

PPWD1 (NM_001278927) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPWD1 (NM_001278927) 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:

>RC238612 representing NM_001278927
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCGCAGTTACATGCATAGAGATGTTATCACCCATGTGGTATGCACCAAAACAGATTTTATTATTAC
 TGCCAGTCATGATCAACATGCTGAACTTGGCTATTTTCTGGACAGTGTGAGTGGATCTATTGCCAGG
 GGATGCAATTTCTCAGTTGCTGCTCCGAAAAGAGTACAGGAAAAATTTTCATTATGATGGCCGAGGA
 GATAACCAGCCACTTCATATTTTGGACAACTCCATACATCACCTCTTACTCAGATACGGCTAAACCCAG
 TTTACAAAGCAGTAGTGTCTTCTGACAACTCTGGGATGATTGAATACTGGACTGGCCTCCTCATGAATA
 TAAATCCCAAAAAATGTGAAGTGGGAATATAAACTGACACTGATTTATGAATTTGCCAAGTGAAG
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 ACAGATAAGCCCTATGAGGATGTCAGCATCATAAATATTACTGTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>RC238612 representing NM_001278927
 Red=Cloning site Green=Tags(s)

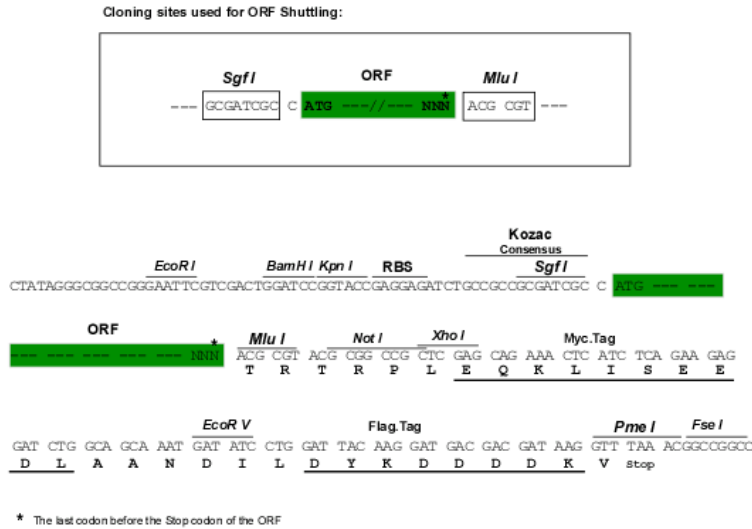
MSAVTCIEMLSPMWYAPKQILLLLPVMINMLKLYFPGQCEWIYCPGDAISSVAASEKSTGKIFIYDGRG
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 AYPTSVCFSPDGKKIATIGSDRKVRIFRFVTGKLMRVFDESLSMFTLQQMRQLPDMFGRMAVEREL
 EKVDVAVRLINIVFDETGHFVLYGTM LGIKVINVTNRCVRILGKQENIRVMQLALFQGIKKHRAATTIE
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 SDSAIIHTSMGDIHTKLPVECPKTVENFCVHSRNGYYNGHTFHRIIKGFMIQTGDPTGTGMGGESIWGG
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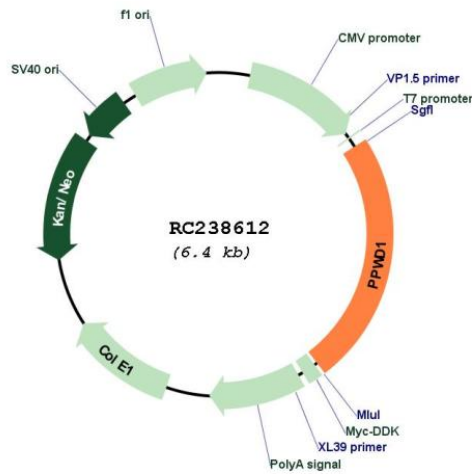
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001278927

ORF Size: 1518 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_001278927.2](#)

RefSeq Size: 2006 bp

RefSeq ORF: 1521 bp

Locus ID: 23398

UniProt ID: [Q96BP3](#)

Cytogenetics: 5q12.3

MW: 57.9 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]