

## Product datasheet for **RG239109**

### PPWD1 (NM\_001278926) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPWD1 (NM_001278926) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPWD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239109 representing NM\_001278926.  
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGAGGAGAACGAAGAGCGCTGGGTTGGACCTTTACCTGTGGAGCAACACTGGCCAAGAAGAGGAAAG
CAGCCACATGAAGTTGGAATTTCAACTCTTATTTAGTCTTAGAGTTTGAAGAGTCTATCTTGATAAT
CTCCCAGTGCATCCATGTATGAGCGCAGTTACATGCATAGAGATGTTATCACCCATGTGGTATGCACC
AAAACAGATTTTATTATTACTGCCAGTCATGATGGACATGTCAAGTTCTGAAAAAATAGAAGAGGGA
ATTGAATTTGTTAAACATTTTCGTAGTCACCTGGGAGTTATTGAGAGTATTGCAGTTAGCTCTGAGGGA
GCATTGTTCTGTTCTGTGGGTGATGATAAAGCAATGAAGGTGTTTGTAGTGAACCTTTGACATGATC
AACATGCTGAAACTTGGCTATTTTCTGGACAGTGTGAGTGGATCTATTGCCAGGGGATGCAATTTCT
TCAGTTGCTGCTCCGAAAAGAGTACAGGAAAAATTTTCATTTATGATGGCCGAGGAGATAACCAGCCA
CTTCATATTTTGGACAACTCCATACATCACCTCTTACTCAGATACGGCTAAACCCAGTTTACAAGCA
GTAGTGTCTTCTGACAACTCTGGGATGATTGAATACTGGACTGGGCTCCTCATGAATATAAATTTCCC
AAAAATGTGAACCTGGAAATATAAACTGACACTGATTTATGAATTTGCCAAGTGAAGGCTTATCCA
ACCAGCGTATGTTTTTACCAGATGGGAAGAAAATAGCTACTATTGGTTCTGATAGAAAAGTTAGAATT
TTCAGATTTGTAACCTGGAAAACCTCATGAGAGTCTTTGATGAATCACTAAGCATGTTTACTGAACTGCAA
CAGATGAGGCAACAGTTACCAGACATGGAATTTGGCCGACGAATGGCTGTAGAACGTGAGTTGGAGAAG
GTTGATGCTGTAAGATTAATTAATATAGTTTTGATGAACTGGACACTTCGTGCTGTATGGAACAATG
CTGGGCATTAAGTTATAAATGTAGAGACAAACCGGTGTGTGCGGATTTTAGGCAACAAGAAAATATT
AGAGTGATGCAATTGGCTTTGTTCCAGGGGATAGCCAAAAAGCATCGTGTGCAACTACTATAGAAAATG
AAAGCTTCTGAAAAATCCTGTTCTTCAAGATATTCAGCTGACCAACAATAGTCTGTACATCTTCAAA
AAGAATAGATTTTATATGTTTACCAAACGAGAACCAGAAGATACGAAAAAGTGCAGATTCTGATCCGAGT
GTTTTTAAATGAGAAACCTTCTAAAGAAGAAGTCATGGCAGCTACTCAAGCTGAAGGACCTAAACGAGTT
TCGGACAGTGCCATTATCCACACCAGCATGGGAGACATTCACACCAAACTTTTTCTGTTGAGTGCCTT
AAGACAGTGGAAAACCTTCTGTGTTACAGCAGAAAATGGTTATTATAATGGGCATACATTTACCCTATA
ATTAAGGGCTTTATGATTCAGACTGGAGATCCAACAGGTACTGGTATGGGAGGAGAAAGCATATGGGGA
GGAGAATTTGAAGATGAATTTCAACATTACGACATGACAGGCCATACACACTCAGCATGGCTAAC
GCGGGATCAAATACTAATGGATCCAGTTTTTTCATAACGGTAGTACCAACGCCTTGGCTTGATAATAAG
CATAACGATTTTGGACGAGTGACTAAAGGAATGGAAGTTGTACAGAGGATCTCCAACGTCAAAGTCAAT
CCCAAAACAGATAAGCCCTATGAGGATGTCAGCATCATAAATATTACTGTCAAG
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
  
```

**Protein Sequence:**

>Peptide sequence encoded by RG239109  
 Blue=ORF Red=Cloning site Green=Tag(s)

```

MRRTKSAGLDL YLWRQHWP RRGKQPHEVGISNSYL VLEFERVYLDNLP SSMYERSYMH RDVITHV VCT
KTD F I I TASHDGHV KFWKK IEEG IEFVKHFRSHLGVIES IAVSSEGA LFCSV GDDKAMKV DVVNFDMI
NMLKLG YFPGQCEWI YCPGDA ISSVAASEKSTGK IFIYDGRGDNQPLHIFDKLHTSPLTQIRLNPVYKA
VYSSDKSGMIEYWTGPPHEYKFPKNVNWEYKTD TDL YEF AKCKAYPTSVCFSPDGKKIATIGSDR KVRI
FRFVTGKLMRVFDESLSMFTELQMRQQLPDM EFGRRMAVERELEKVDVRLINIVFDETGHFVLYGTM
LGIKVINVETNRCVRI L GKQENIRVMQLALFQGI AKKHRAATTIEMKASENPVLQNIQADPTIVCTSFK
KNRFYMF TKREP EDTKSADSDR DVFNEKPSKEEVMAATQAEGPKRVSDSAI IHTSMGDIHTKLPVECP
KTVENFCVHSRNGYNGHTFHRI IKGFMIQTGDPTGTGMGGESI WGGFEDEFHSTLRHDRPYTL SMAN
AGSNTNGSQFFITVVP TPWLDNKHTV FGRVTKGMEVVQRI SNKVNPKTDKPYEDVSI INITVK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPE D
SVIFTDKIIRSNATVEHLHPMGDNDLDG SFTRTFSLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
```

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001278926

**ORF Size:** 1848 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).

**RefSeq:** [NM\\_001278926.1](#), [NP\\_001265855.1](#)

**RefSeq Size:** 2216 bp

**RefSeq ORF:** 1851 bp

**Locus ID:** 23398

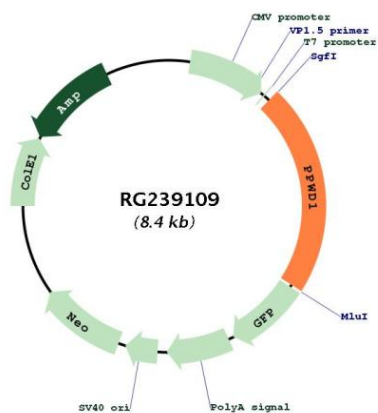
**UniProt ID:** [Q96BP3](#)

**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]

Product images:



Circular map for RG239109