

Product datasheet for **RG238612**

PPWD1 (NM_001278927) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPWD1 (NM_001278927) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPWD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238612 representing NM_001278927. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCGCAGTTACATGCATAGAGATGTTATCACCCATGTGGTATGCACCAAAACAGATTTTATTATTA
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TGGCTTGATAATAAGCATACAGTATTTGGACGAGTGACTAAAGGAATGGAAGTTGTACAGAGGATCTCC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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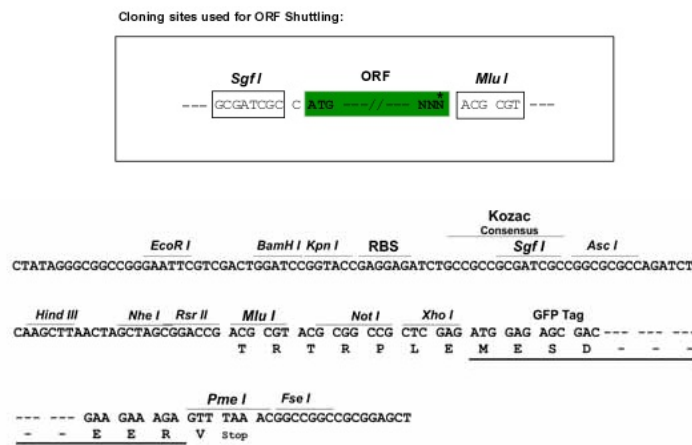
[View online >](#)

Protein Sequence: >Peptide sequence encoded by RG238612
 Blue=ORF Red=Cloning site Green=Tag(s)

MSAVTCIEMLSPMWYAPKQILLLLPVMINMLKLGYPGQCEWIYCPGDAISSVAASEKSTGKIFIYDGR
 GDNQPLHIFDKLHTSPLTQIRLNPVYKAVVSSDKSGMIEYWTGPPHEYKFPKNVNWYEKTDLDL YEFAK
 CKAYPTSVCFSPDGKKIATIGSDRKVRIFRFVTGKLMRVFDELSMFTTELQMRQQLPDMFGRMAVE
 RELEKVDVRLINIVFDETGHFVLYGTMLGIKVINVETNRCVIRL GKQENIRVMQLALFQGIAKKHRAA
 TTIEMKASENPVLQNIQADPTIVCTSFKKNRFYMF TKREPEDTKSADSDRDVFNEKPSKEEVMAATQAE
 GPKRVSDSAIHTSMGDIHTKLPVVECPKTVENFCVHSRNGYYNGHTFHRIKGFMIQTGDPTGTGMGG
 ESIWGGFEDEFHSTLRHDPYTL SMANAGSNTNGSQFFITVVPTPWLNDKHTVFGVRTKGMEVVQRIS
 NVKVNPKTDKPYEDVSIINITVK
 TRTRPLEMESDESLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDL DGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



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).

RefSeq: [NM_001278927.2](#)

RefSeq Size: 2006 bp

RefSeq ORF: 1521 bp

Locus ID: 23398

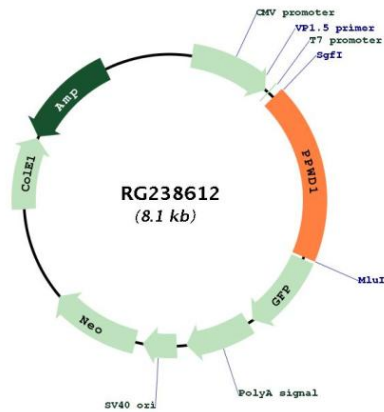
UniProt ID: [Q96BP3](#)

Cytogenetics: 5q12.3

MW: 57.9 kDa

Gene Summary: 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 RG238612