

Product datasheet for **SC323914**

PPWD1 (NM_015342) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPWD1 (NM_015342) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPWD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_015342.1
AACATGGCGGCGGAAAGTGGTAGCGATTTTCAGCAGAGACGTAGAAGGCGCCGGGACCCG
GAGGAACCGGAAAAACAGAACTCAGCGAAAGAGAGCTGGCAGTAGCAGTGGCGGTGTCC
CAGGAGAACGATGAGGAGAACGAAGAGCGCTGGTTGGACCTTTACCTGTGGAGGCAACA
CTGGCCAAAGAAGAGGAAAGTCTTAGAGTTTGAAGAGTCTATCTTGATAATCTCCCCAGT
GCATCCATGTATGAGCGCAGTTACATGCATAGAGATGTTATCACCCATGTGGTATGCACC
AAAAACAGATTTTATTACTGCCAGTCATGATGGACATGTCAAGTTCTGGAAAAAATA
GAAGAGGGAATTGAATTTGTTAAACATTTTCGTAGTCACCTGGGAGTTATTGAGAGTATT
GCAGTTAGCTCTGAGGGAGCATTGTTCTGTTCTGTGGGTGATGATAAAGCAATGAAGGTG
TTTGATGTAGTGAACCTTGACATGATCAACATGCTGAACTTGGCTATTTTCTGGACAG
TGTGAGTGGATCTATTGCCAGGGGATGCAATTTCTCAGTTGCTGCTCCGAAAAGAGT
ACAGGAAAAATTTTCATTTATGATGGCCGAGGAGATAACCAGCCACTTCATATTTTGGAC
AAACTCCATACATCACCTCTTACTCAGATACGGCTAAACCCAGTTTACAAAGCAGTAGTG
TCTTCTGACAAAATCTGGGATGATTGAATACTGGACTGGGCCTCCTCATGAATATAAATTC
CCCAAAAATGTGAACTGGGAATATAAACTGACACTGATTTATATGAATTTGCCAAGTGT
AAGGCTTATCCAACCAGGTATGTTTTTACCAGATGGGAAGAAAATAGCTACTATTGGT
TCTGATAGAAAAGTTAGAATTTTTCAGATTTGTAACCTGGAAAACCTCATGAGAGTCTTTGAT
GAATCACTAAGCATGTTTACTGAACTGCAACAGATGAGGCAACAGTTACCAGACATGGAA
TTTGGCCGACGAATGGCTGTAGAACGTGAGTTGGAGAAGTTGATGCTGTAAGATTAATT
AATATAGTTTTTGGATGAACTGGACACTTCGTGCTGTATGGAACAATGCTGGGCATTAAA
GTTATAAATGTAGAGACAAACCGGTGTGTGCGGATTTTAGGCAACAAGAAAATATTAGA
GTGATGCAATTTGGCTTTGTTCCAGGGGATAGCCAAAAGCATCGTGTGCAACTACTATA
GAAATGAAAGCTTCTGAAAATCCTGTTCTCAGAATATTTCAAGCTGACCCAAACAATAGTC
TGTACATCATTCAAAAAGAATAGATTTTATATGTTTACCAAACGAGAACCAGAAGATACG
AAAAGTGCAGATTCTGATCGAGATGTTTTTAAAGAGAACCTTCTAAAGAAGAAGTCATG
GCAGCTACTCAAGCTGAAGGACCTAAACGAGTTTTCGGACAGTGCCTATCCACACCAGC
ATGGGAGACATTCACACCAAACTTTTTCTGTTGAGTGCCTAAGACAGTGGAAAACCTTC
TGTGTTCCACAGCAGAAATGGTTATTATAATGGGCATACATTTACCGTATAATTAAGGGC
TTTATGATTCAGACTGGAGATCCAACAGGTACTGGTATGGGAGGAGAAAGCATATGGGGA
GGAGAATTTGAAGATGAATTTTCAACATTACGACATGACAGGCCGTACACACTCAGC
ATGGCTAACGCGGGATCAAATACTAATGGATCCCAGTTTTTTCATAACGGTAGTACCAACG
CCTTGGCTTGATAATAAGCATACAGTATTTGGACGAGTACTAAAGGAATGGAAGTTGTA
CAGAGGATCTCCAACGTCAAAGTCAATCCCAAAACAGATAAGCCCTATGAGGATGTCAGC
ATCATAAATATTACTGTCAAGTAAAATAAGATTTGTTTTAATGTACTTGCAAAATAAAAT
ACAATATTAACAGATTATTTTACATTAGGAAGCTTAGGACTTGCTGAATATACAGATCA
TGTTTTCAAAGATACAGTATTTTTGTATTTTTTATTAAAGGCTATTTTTTAAAAA
AAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_015342

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_015342.1](#), [NP_056157.1](#)

RefSeq Size: 2110 bp

RefSeq ORF: 1941 bp

Locus ID: 23398

UniProt ID: [Q96BP3](#)

Cytogenetics: 5q12.3

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]
Transcript Variant: This variant (1) encodes the longest isoform (1).