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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGTGTTTGATGTAGTGAACTTTGACATGATCAACATGCTGAAACTTGGCTATTTTCCTGGACAGT
GTGAGTGGATCTATTGCCCAGGGGATGCAATTTCTTCAGTTGCTGCTTCCGAAAAGAGTACAGGAAAAAT
TTTCATTTATGATGGCCGAGGAGATAACCAGCCACTTCATATTTTTGACAAACTCCATACATCACCTCTT
ACTCAGATACGGCTAAACCCAGTTTACAAAGCAGTAGTGTCTTCTGACAAATCTGGGATGATTGAATACT
GGACTGGGCCTCCTCATGAATATAAATTCCCCAAAAATGTGAACTGGGAATATAAAACTGACACTGATTT
ATATGAATTTGCCAAGTGTAAGGCTTATCCAACCAGCGTATGTTTTTCACCAGATGGGAAGAAAATAGCT
ACTATTGGTTCTGATAGAAAAGTTAGAATTTTCAGATTTGTAACTGGAAAACTCATGAGAGTCTTTGATG
AATCACTAAGCATGTTTACTGAACTGCAACAGATGAGGCAACAGTTACCAGACATGGAATTTGGCCGACG
AATGGCTGTAGAACGTGAGTTGGAGAAGGTTGATGCTGTAAGATTAATTAATATAGTTTTTGATGAAACT
GGACACTTCGTGCTGTATGGAACAATGCTGGGCATTAAAGTTATAAATGTAGAGACAAACCGGTGTGTGC
GGATTTTAGGCAAACAAGAAAATATTAGAGTGATGCAATTGGCTTTGTTCCAGGGGATAGCCAAAAAGCA
TCGTGCTGCAACTACTATAGAAATGAAAGCTTCTGAAAATCCTGTTCTTCAGAATATTCAAGCTGACCCA
ACAATAGTCTGTACATCATTCAAAAAGAATAGATTTTATATGTTTACCAAACGAGAACCAGAAGATACGA
AAAGTGCAGATTCTGATCGAGATGTTTTTAATGAGAAACCTTCTAAAGAAGAAGTCATGGCAGCTACTCA
AGCTGAAGGACCTAAACGAGTTTCGGACAGTGCCATTATCCACACCAGCATGGGAGACATTCACACCAAA
CTTTTTCCTGTTGAGTGCCCTAAGACAGTGGAAAACTTCTGTGTTCACAGCAGAAATGGTTATTATAATG
GGCATACATTTCACCGTATAATTAAGGGCTTTATGATTCAGACTGGAGATCCAACAGGTACTGGTATGGG
AGGAGAAAGCATATGGGGAGGAGAATTTGAAGATGAATTTCATTCAACATTACGACATGACAGGCCATAC
ACACTCAGCATGGCTAACGCGGGATCAAATACTAATGGATCCCAGTTTTTCATAACGGTAGTACCAACGC
CTTGGCTTGATAATAAGCATACAGTATTTGGACGAGTGACTAAAGGAATGGAAGTTGTACAGAGGATCTC
CAACGTCAAAGTCAATCCCAAAACAGATAAGCCCTATGAGGATGTCAGCATCATAAATATTACTGTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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

MKVFDVVNFDMINMLKLGYFPGQCEWIYCPGDAISSVAASEKSTGKIFIYDGRGDNQPLHIFDKLHTSPL
TQIRLNPVYKAVVSSDKSGMIEYWTGPPHEYKFPKNVNWEYKTDTDLYEFAKCKAYPTSVCFSPDGKKIA
TIGSDRKVRIFRFVTGKLMRVFDESLSMFTELQQMRQQLPDMEFGRRMAVERELEKVDAVRLINIVFDET
GHFVLYGTMLGIKVINVETNRCVRILGKQENIRVMQLALFQGIAKKHRAATTIEMKASENPVLQNIQADP
TIVCTSFKKNRFYMFTKREPEDTKSADSDRDVFNEKPSKEEVMAATQAEGPKRVSDSAIIHTSMGDIHTK
LFPVECPKTVENFCVHSRNGYYNGHTFHRIIKGFMIQTGDPTGTGMGGESIWGGEFEDEFHSTLRHDRPY
TLSMANAGSNTNGSQFFITVVPTPWLDNKHTVFGRVTKGMEVVQRISNVKVNPKTDKPYEDVSIINITVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

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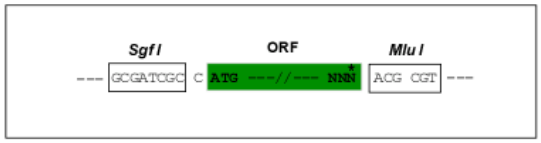
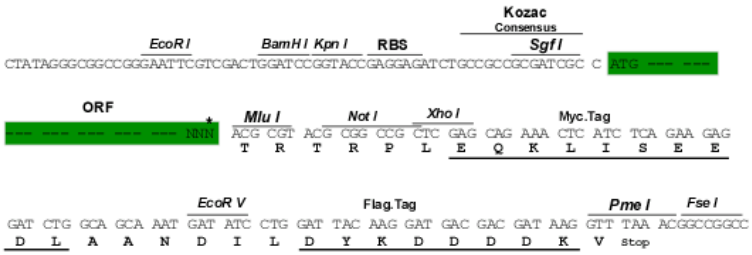
Cloning Scheme:





* The last codon before the Stop codon of the ORF

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:
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

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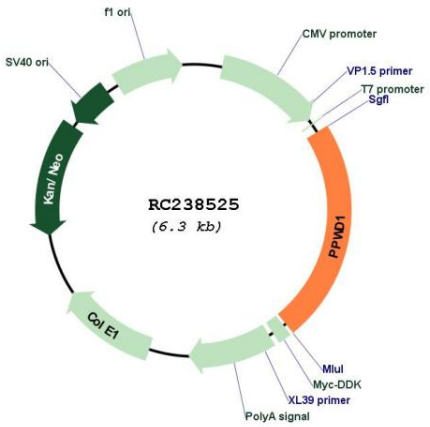
MW:	56.1 kDa
Gene Summary:	PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding (PubMed:20676357). May be involved in pre-mRNA splicing (PubMed:11991638).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC238525

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