

Product datasheet for **RR209226**

Ppwd1 (NM_001106406) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppwd1 (NM_001106406) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppwd1
Synonyms:	RGD1310204
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RR209226 representing NM_001106406
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCAGAGATTGGTAGCGATTTCGAGCTGAAGAGAAGAAGACGCCGGGACCCAGGGGATCAGAAA
 AAACGGAACTAAGCGAGCGAGAACCAGCACTGGCAGTGGAGGGGAGAGAAGAAAATGATGATGAGAAATGA
 AGAGCGCTGGGTGGGCCTTTACCGGTGAAGCAACACTGGCCAAGAAGAGGAAAAGTTCTAGAGTTTGAA
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 CACATGTGGTGTGCACCAAAACAGATTTTATTACTGCGCAGTCATGATGGCATGTCAAATTTTGAA
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 GTTAGCTCTGAGGGAGCATTGTTCTGTTCTGTTGGTGATGATAAAGCAATGAAGGTGTTTGTGTGGTAA
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 GATAACCAGCCACTTCATATTTTGACAACTCCATGTATCCCTCTTACTCAGATAAGACTAAACCCAG
 TTTACAAAGCAGTGGTGTCTTCTGACAAATCTGGAATGATTGAGTACTGGACTGGACCACCCGATGAATA
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 TGTGTTTGGCCGAGTGACTAAAGGAATGGAGGTGGTGCAGAGGATTTCCAATGTTAAAGTCAATCCCAAA
 ACCGATAAGCCTTACGAGGATGTCAGCATCATAAATATCACTGTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209226 representing NM_001106406
 Red=Cloning site Green=Tags(s)

MAAEIGSDSQLKRRRRRDPEGSEKTELSEREPALAVEGREENDDENEERWVGPLPVEATLAKKRKVFLEFE
 RYVLENLPSASMYERSYMRDVI THVVCTKDF IITASHDGHVKFWKKIEEGIEFVKHFRSHLGIIESIA
 VSSEGALFCSVGDDKAMKVFDDVNFDMINMLKLGYPGQCEWIYCPGDAISSVAASEKSTGKIFIYDGRG
 DNQPLHIFDKLHVSPLTQIRLNPVYKAVVSSDKSGMIEYWTGPPHEYKFPKTVNWEYKTDLDLYEFKCK
 AYPTSICFSPDGKKIATIGSDRKVRI FRFLTGKLMRVFDESLSMFTELQQMRQQLPDMEFGRRMAVEREL
 EKVDVAVRLINIVFDETGHFVLYGTMLGIKVINVETNRCVRILGKQENIRVMQLALFQGI AKKHRAAATIE
 MKASENPVLQNIQADPTIVCTSFKNRFYMFTKREPEDTKSADSDRDVFNEKPSKEEVMAATQAEGPKRV
 SDSAIVHTSMGDIHIKLPVECPKTVENFCVHSRNGGYNGHTFHRI IKGFMIQTGDPTGTGMGGESIWGG
 EFEDEFHSTLRHDRPYTLSMANAGSNTNGSQFFITVVPTPWL DNKHTVFGRVTKGMEVVQRI SNVKVNPK
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

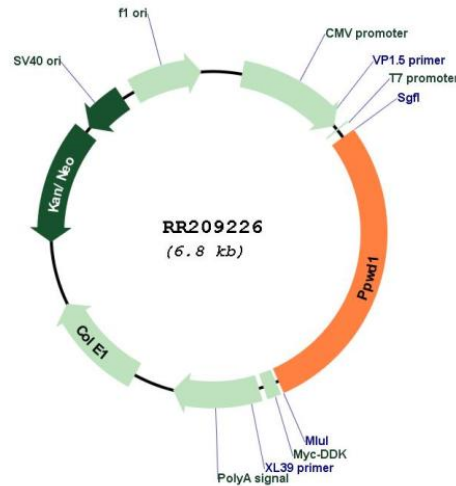
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106406

ORF Size: 1938 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_001106406.1](#), [NP_001099876.1](#)

RefSeq Size: 2453 bp
RefSeq ORF: 1941 bp
Locus ID: 294711
Cytogenetics: 2q12
MW: 73.5 kDa