

Product datasheet for **RR216798**

Pwp1 (NM_001191877) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pwp1 (NM_001191877) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pwp1
Synonyms:	RGD1310705
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR216798 representing NM_001191877
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCGCAGCCGCAAGTGACCTGCGTGGCCTGGGTCCGCGCGGCGTGGCCAAAGAGACGCCAGACA
 AGGTAGAGCTAAGTAAAGAGGAAGTGAACGTCTCATTGCTGAAGCAAAAGAAAAGTTACAAGAGGAGGG
 TGGGAGTGAGGAAGAGGAGGTAGGCAGTCTTCAGAAGATGGCATGCAGAGAGCCCGGTCCAGGCCCGG
 CCTACGGAGCCGCTGGAGGATGGGGATCCACAAGACGACCGTACACTGGACGACGATGAGCTGGCGGAGT
 ACGACTTAGATAACTATGACCAAGAGGACAACCCAGATGCTGAGACCATTGGAGAATCTCTGTTGGGGCT
 TACGGTCTATGGCAGTAACGATCAGGATCCATACGTCACCCTCAAAGACACGGAACAGTACGAGCACGAA
 GACTTCTTGATTAAGCCGACCGACAACCTCATCGTCTGTGGCCGTGCAGAAACAAGAGCAGTGAACCTAG
 AGGTGCACGTGTACAATCAAGAAGAGGAGTCTTTCTATGTCCACCATGACATACTCTGTCTGCATATCC
 TCTAAGTGTGGAATGGCTGAATTTTGATCTAGCCAGATGCGGCTACTGGAAATTACATTGCTGTGGGA
 AACATGACCCCTGTCATTGAGGTGTGGACCTGGATATCGTGGACTCTCTAGAACCAGTCTTCACACTGG
 GAAGCAAGCTTTCAAAAAGAAGAAGAAGAAAGGAAAAAGATTGTCGTCAGCAGAAGGACATACTGATGC
 TGTCTTGACCTTCTGGAATAAGACAGTCAGAAACGTGCTGGCGAGTGCATCAGCAGACAGCACTGTA
 ATCCTGTGGGATCTGTCTGTGGGAAGCCAGCGCCAGGCTTACTGCACATACAGACAAGGTTCCAGACTC
 TGCAGTTTCATCCATTTGAAGCACAGACTCTGATTTCTGGGTCTATGACAAATCCGTGGCTCTGTACGA
 CTGCAGAGACCCAGCCAGAACCACCGTCTGTGGAGGTTAGTGGGCAGATCGAGAGAGTGACCTGGAAC
 CACTTCTACCCGTGCCATTTCTGGCCAGTACAGATGATGGCTTGTATATAATCTGGATGCGCGCTCAG
 ATAAGCCGATTTTACACTTAATGCACACAACGATGAAATCTCTGGTCTTGATCTGAGCAGTCAGATCAA
 AGGCTGCCTTGTGACCGCTTACGACAGACAAATTTGTGAAGATCTGGGACATCTTAGGAGAGAGGCCAAGT
 CTCATTATTCTAGAGACATGAAGATGGGAGTTCTCTTTTGTCTTCTGCTGCCCTGATTTGCCGTTTG
 TTTACGCCTTTGGAGGACAGAAAGAAGGCTTCGGGTTTGGGACATAAGCACTGTGTCTTCAGTAAACGA
 AGCGTTTGAAGACGGGAGAGACTGGCCATTGGCAGCACAAAAGGTTTATCTGTTAGTGACCCTGTAGG
 AGCGGGAGCCACAGACACCAATGGAGTCC

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>RR216798 representing NM_001191877
 Red=Cloning site Green=Tags(s)

MNRSRQVTCVAWVRRGVAKETPKVELSKEEVKRLIAEAKEKLQEEGGSEEEVVGSPSEDGMQRRARVQAR
 PTEPLEDGPQDDRTLDDDELAEYDLNYPDQEDNPD AETIGESLLGLTVYGSNDQDPYVTLKDTEQYEHE
 DFLIKPTDNLIVCGRAEQEQCNLEVHVYNQEEESFYVHHDILLSAYPLSVEWLNFDPSDAATGNVIAVG
 NMTPVIEVWDLDIVDSLEPVFTLGSKLSKSKKSKKSSSAEGHTDAVLDSLWNKTVRNVLASASADSTV
 ILWDLVSGKPAARLTAHTDKVQTLQFHPFEAQTLSGSYDKSVALYDCRDPSQNHRLWRFSGQIERVTWN
 HFSPCHF LASTDDGFVYNLDARSDKPIFTLNAHNDEISGLDLSSQIKGCLVTASADKFVKIWDILGERPS
 LIHSRDMKMGVLCSSCCPDLPFVYAFGGQKEGLRVWDISTVSSVNEAFGRRRERLAIGSTKGLSVSDPCR
 SGSPQTPMES

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001191877

ORF Size: 1500 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_001191877.1](#), [NP_001178806.1](#)

RefSeq Size: 2056 bp

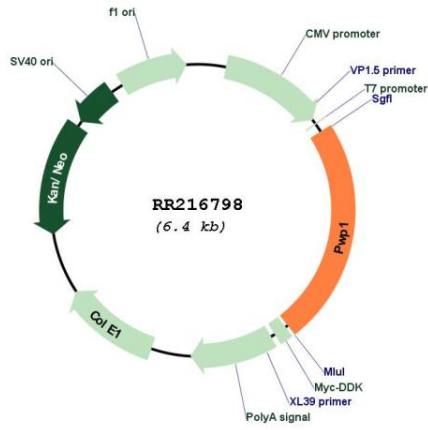
RefSeq ORF: 1503 bp

Locus ID: 362856

Cytogenetics: 7q13

MW: 55.8 kDa

Product images:



Circular map for RR216798