

## Product datasheet for **RR203141**

### **Pitrm1 (NM\_001107363) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pitrm1 (NM_001107363) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pitrm1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR203141 representing NM\_001107363  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGCGCTTCAGCGGTTCGGCGGGACTGTGCGCTGTACAGCGACTGAGCAGCGGGTCCACCACAAG  
 TGTGGAGAGAGAAGAGTGACCAAGCCTGTGATCGTGCTCTGCAGTATAAAGTGGGGGAAAAATCCACGG  
 GTTCACCGTCAACCAGGTCACTCCTGTTCCGGAAGTTCCTGACAGCGGTGAAACTCAGCCATGACAAC  
 ACGGGAGCCAGATACCTGCACCTGGCCAGGGAAGATAACAATAACTTATTCAGTGTACAGTTCGCCACAA  
 CCCCATGGATAGCACCGGAGTCCCCATGTTCTCGAGCATACCGTGCTCTGCGGCTCTCAGAAGTACCC  
 ATGCAGAGATCCTTTCTCAAAATGCTCAACAGGTCCCTGTCCACATTTATGAATGCCTTCACAGCCAGC  
 GATTACACCATGTATCCGTTTTCCACACAAAATCCCAAAGACTTTCAAACCTCCTCTCGGTGATTTGG  
 ATGCCACCTTCTCCCGTCTTGAGGAACTGGACTTCTGGCAGGAAGGATGGCGACTAGAGCATGAGGA  
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 GACAACGAGAGGATATTCTCCAGCACCTCCAGAAACAAGTCTTCTCTGACCACACATACTCTGTGGTTT  
 CTGGAGGGGACCCACTGTGCATCCCTGAGCTCACGTGGGAGCAGCTGAAACAGTTCCACACAACCTACTA  
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 GAGGAAGCCCTGAGTAAATTTAGAAAAATGGAGGAGAGCACAGCGGTGCCTGCCAGAAGTACTGGGACA  
 AGCCTAGGGAATTCATATAACGTGTGGCCAGATTCACTAGCTACAGATGCTACCAAGCAAACAAGTGT  
 CAGCGTTAGCTTCTCTTACCAGAGAAAGTTTTGAAGATGATCAGATTGAAGCACTGCTTCATAAAATC  
 GAGATCCAAATGAAGCATCAGTCGGCCAGTTTTGGCATGGCCCTGACATCATATATAGCTTCTTGCTGGA  
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 TGCAGGAGACCTTCAGTGGGATGGATCAGGTGAAGGTGATGAAAAGAATTGCCGAAATGACAGACATCAA  
 GCCATCCTGAGAAAATACCCCGGATCAAGAAGTATCTACTAACTGTGACAACATGAGATGCTCAGTG  
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 AGAAAAGGGGGTCTTATGGTGGAGGTGCTAAAGTCACCACACCCGGGATCTTACGCTCTACTCTTAC  
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 TCACACAGCAGGACATTGATGAAGCAAGCTTCCGTTTTCTCCGCTGTGGATTCTCTGTTGCTCCATC  
 GGATAAAGGAATGGACACTTCTGTACGGCTCTCCGATGAGATGAAGCAGACATACCGGGAACAGCTC  
 TTCGCTGTACCCACGACAAGCTGACCTCTGTGAGCCATAAATACCTCGGCATCGGGAAGAGCACGCACG  
 GCCTGGCTATTCTGGGACCAGAGAACTCAAACCTCGCAAAGACCCATCGTGATCATAAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203141 representing NM\_001107363  
 Red=Cloning site Green=Tags(s)

MWRFSGRRGLCAVQRLSSGVHHKVVREKSDQACDRALQYKVGKIHGFTVNQVTPVPELFLTAVKLSHDN  
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 DYTMYPFSTQNPKDFQNLVSVYLDATFFPCLRELDWFQEGWRLEHEDPSPDQPTPLIFKGVVFNEMKGAFT  
 DNERIFSQHLQNKLLPDHTYSVVSGGDPLCIPELTWEQLKQFHHTHYHPSNARFFTYGNFPLEDHKQIH  
 EEALSKFQKMEESTAVPAQKYWDKPREFHITCGPDSLATDATKQTTVSVSFLLPEKGFEDDQIEALLHKI  
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 SMKPDDRYEEKQTMETEKLEQKVNSLSQADKKQIYEKLELQKQSKHQDASCLPALKVSDIEPTMPFT  
 KFDIALSAGDVPVQYCPQPTNGIYVFRAFSSLNLTPEELRPFVPLFCTVLTKLGGCILNYREQAQQIELK  
 TGGMTVTPHVLPPDSDLTYEQGVLFSSCLERNLPDMMHLWSEIFNNPCFEEEEHFVLRMSAQELSN  
 GIPDSGHLAALRAGKLTTPAGDLQETFSGMDQVKVMKRIAEMTDIKPILRKLPRIKKYLLNCDNMRCV  
 NATPQQMPQAEKEVENFLRNVGRSKKERKPVPHIVEKPTSPGSGGAHADGSQIRKLI TDPTFKPCQM  
 KTHFVLPFPVNYVGEVTRTPYADPDHASLKILARLMTAKFLHTEIREKGGAYGGAKVTHTGIFTLYSY  
 RDPNSIETLQSFKAIDWAKSGKFTQQDIDEAKLSVFSAVDSPVAPSDKGMDFLYGLSDEMKTQYREQL  
 FAVTHDKLTSVSHKYLGIKSTHGLAILGPENSKLAKDPSWIIR

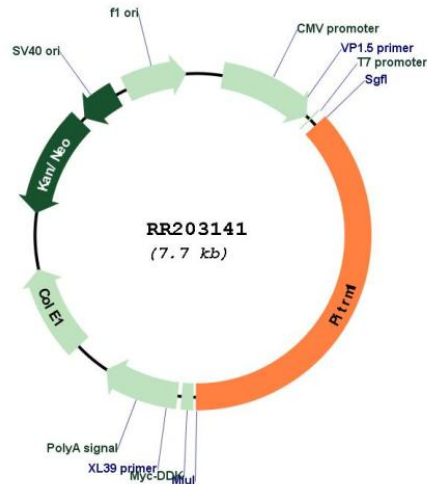
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001107363

**ORF Size:** 2862 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\\_001107363.1](#), [NP\\_001100833.1](#)

**RefSeq Size:** 3178 bp

**RefSeq ORF:** 2865 bp

**Locus ID:** 307081

**Cytogenetics:** 17q12.2

**MW:** 108.5 kDa