

## Product datasheet for **RR205254**

### Prpf19 (NM\_139333) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf19 (NM_139333) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prpf19
Synonyms:	Prp19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR205254 representing NM\_139333  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCCTGATCTGCTCGATCTCCAACGAAGTCCAGAGCACCCATGCGTGTCCCCTGTCTAATCATG  
 TGTATGAGCGCGACTCATTGAGAAGTACATTGCAGAGAATGGCACAGATCCTATCAACAACCAGCCTCT  
 CTCAGAGGAGCAGCTCATCGACATCAAAGTTGCTCATCCAATCCGGCCCAAGCCTCCCTCTGCCACCAGC  
 ATCCCAGCCATTCTGAAAGCCTTGCAGGATGAGTGGGATGCAGTCATGCTGCACAGCTTCACTCTTCGCC  
 AGCAGCTGCAGACAACCCGCCAGGAAGTCCCACGCTCTGTACCAGCACGATGCTGCCTGCCGAGTCAT  
 TGCCCGGCTCACCAAGGAGGTCCTGCTGCTCGAGAAGCTCTGGCTACTCTGAAACCACAGGCTGGTCTT  
 ATTGTACCTCAGGCTGTGCCAAGCTCACAGCCAGTGTGTGGGTGCAGGAGAGCCCATGGATTTGGGTG  
 AGCTTGTGGGAATGACCCTGAGATTATCCAGAAGCTTCAAGACAAGGCCACTGTACTAACCACGGAGCG  
 TAAGAAGAGAGAAAACTGTCCCTGAGGAGCTGGTGAAGCTGAAGAGCTCAGCAAGTACCGGCAGGTG  
 GCATCCCATGTGGGGCTACACAGTGTAGCATTCTGGGATTCTTGTCTGGACCTGTGTCCCTCAGACA  
 CCAACAAGATTCTTACTGGTGGGCAGATAAAAACGTTGTTGTCTTTGATAAGAGTACTGAGCAAATCCT  
 GGCCACTCTCAAAGGCCATACCAAGAAGGTACCAGTGTGGTGTTCATCCTTCTCAGGAATTGGTGT  
 TCTGCGTCCCCTGATGCTACTATCAGGATTTGGTCCGTCCCGAACACTTCTTGTGTACAGGTTGTTCGGG  
 CCCATGAGAGTGGGTGACAGGACTCAGCCTCCATGCCACTGGAGACTATCTACTGAGCTCCTCTGATGA  
 TCAGTACTGGGCTTCTCTGACATTACAGACAGGGCGTGTGCTACCAAGGTGACAGATGAGACTTCCGGC  
 TGCTCTTTACCTGTGCACAGTTCACCCTGATGGCCTCATCTTTGGAACAGGAACCATGGACTCCAGAG  
 TCAAGATCTGGACTTGAAGGAACGCACCAATGTGGCGAACTCCCTGGCCACTCCGGCCCATACCAG  
 CATTGCCTTCTCTGAGAATGGGTACTACCTGGCCACGGCAGCTGATGACTCCTCAGTCAAGCTCTGGGAC  
 TTACGCAAGTTGAAGAACTTCAAGACATTGCAGCTGGACAACAACCTTTGAGGTGAAGTACTAATCTTTG  
 ACCAGAGTGGCACCTACCTGGCGTTGGGGGTACAGATGTCCAGATCTACATCTGCAAACAGTGGACAGA  
 GATTCTTCACTTTACAGAGCATAGTGGCCTGACCCTGGAGTGGCCTTTGGGCACCACGCCAAGTTCATC  
 GCTTCAACCGCATGGACAGGAGCCTCAAATTCTACAGTCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR205254 representing NM\_139333  
 Red=Cloning site Green=Tags(s)

MSLICISNEVPEHPCVSPVSNHVVYERRLIEKYIAENGTDPINNQPLSEEQLIDIKVAHPIRPKPPSATS  
 IPAILKALQDEWDAVMLHSFTLRQQLQTRQELSHALYQHDAACRVIARLTKEVTAAREALATLKPQAGL  
 IVPQAVPSSQPSVVGAGEPMDLGELVGMTPEIIQKLQDKATVLTTERKKRGKTVPEELVKPEELSKYRQV  
 ASHVGLHSASIPGILALDLCPSDTNKILTGGADKNVVVFDKSTEQILATLKGHTKKVTSVVFHPSQELVF  
 SASPDATIRIWSVPNTSCVQVRAHESAVTGLSLHATGDYLLSSDDQYWAFSDIQTGRVLTKVTDETSG  
 CSLTCAQFHPDGLIFGTGTMSQIKIIDLKERTNVANFPGHSGPITSIAFSENGYYLATAADDSSVKLWD  
 LRKLNFKFTLQLDNNFEVKSIFDQSGTYLALGGTDVQIYICKQWTEILHFTEHSLTTGVAFGHHAKFI  
 ASTGMDRSLKIFYSL

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_139333

ORF Size: 1512 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\\_139333.3](#), [NP\\_647549.2](#)

RefSeq Size: 2156 bp

RefSeq ORF: 1515 bp

Locus ID: 246216

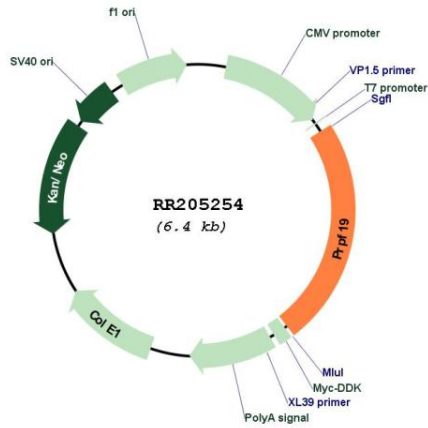
UniProt ID: [Q9JMJ4](#)

Cytogenetics: 1q43

**MW:** 55.2 kDa

**Gene Summary:** human homolog is involved in DNA double strand break repair [RGD, Feb 2006]

**Product images:**



Circular map for RR205254