

Product datasheet for **RR201237**

Prpf31 (NM_001106219) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf31 (NM_001106219) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prpf31
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201237 representing NM_001106219
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGCTGGCAGATGAGCTCTTGGCTGACCTTGAGGAGCAGCAGAAGAAGAAGAGGAGGAAGCTATG
 GAGAAGAAGAGGAGGAGCCAGCAATTGAGGATGTACAAGAGGAGACACAACCTGGATCTTTCTGGAGATTC
 AGTCAAGAGCATTGCCAAGCTATGGGATAGCAAGATGTTTGTGAGATCATGATGAAGATTGAGGAGTAT
 ATCAGCAAGCAAGCCAAAGCTTCAGAAGTGATGGGACCGGTGGAGGCAGCCCTGAGTACCGAGTCATTG
 TGGATGCCAACAACTGACTGTGGAGATAGAAAACGAGCTGAACATTATCCATAAGTTTATCCGGGATAA
 AACTCAAAGAGATTCCCTGAGCTAGAATCCTTGGTGCCCAACGCTCTGGATTACATCCGCACAGTCAAG
 GAACTGGCAACAGCCTGGATAAGTGTAAACAATGAGAATCTCCAGCAGATCTGACCAATGCTACCA
 TCATGTTGTTAGTGTACTGCCTTACCACCCAGGGGCAGCAGCTGTCAGATGAGGAAGTAGAGCGACT
 AGAGGAGGCCTGTGACATGGCACTGGAGCTGAATGCCTCAAGCACCGCATCTATGAGTACGTGGAGTCC
 CGGATGTCGTTTATTGCACCCAATTGTCCATCATCATTGGAGCTTCCACGGCTGCCAAGATCATGGGTG
 TGGCTGGAGGGCTGACCAACCTGTCTAAGATGCCTGCCTGCAACATCATGCTGTTGGGAGCCAGCGCAA
 GACACTGTCTGGCTTCTTCTACCTCAGTGTGCCTCACACTGGCTACATCTACCACAGTGACATTGTG
 CAGTCTCTGCCCCAGATCTTCGGCGGAAGGCAGCCCGCTAGTGGCTGCCAAATGTACTGGCAGCTC
 GTGTGGACAGTTTCCATGAGAGCACAGAGGGGAAGGTGGGCTATGAACTAAAGGACGAGATTGAGCGAA
 GTTTGACAAGTGGCAGGAGCCACCACCTGTGAAGCAGGTGAAGCCCTGCCTGCACCCCTTATGGGCGAG
 CGGAAGAAGCGAGGGGGCCGAAGTACCAGCAAGATGAAAGAACGGCTAGGACTGACTGAGATCCGGAAGC
 AGGCCAACCGCATGAGCTTTGGAGAGATTGAGGAGGATGCCTATCAAGAAGACCTGGGCTTTAGCCTGGG
 CCACCTGGGCAAGTCAGGCAGTGGGCGTGTGCGGCAGACACAGGTGAATGAGGCCACCAAGGCTAGGATC
 TCCAAGACACTACAGCGACCTTACAGAAACAGAGTGTGGTGTATGGTGGGAAGTCAACAATTCGTGACC
 GCTCCTCGGGGACTGCCTCTAGTGTGCCTTCACTCCACTCCAGGGTCTGGAGATTGTGAACCCACAAGC
 AGCCGAGAAGAAGGTGGCAGAGGCCAATCAGAAGTATTCTCTAGCATGGCCGAGTTCCTCAAGTCAAG
 GGTGAGAAAAGTGGCACCATGTCTACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201237 representing NM_001106219
 Red=Cloning site Green=Tags(s)

MSLADELLADLEEAEEEEEGGSYEEEEPAIEDVQEETQLDL SGDSVKSIAKLWDSKMF AEIMMKIEEY
 ISKQAKASEVMGPVEAAPEYRVI DVANNLTVEIENELNI IHKFIRDKYSKRFPELES LVPNALDYIRTVK
 ELGNSLDKCKNNENLQQIL TNATIMVSVTASTTQGGQLSDEELERLEEACDMALELNASKHRIEYVES
 RMSFIAPNLSIIIGASTAAKIMGVAGGLTNLSKMPACNIMLLGAQRKTL SGFSSTSVLPHTGYIYHSDIV
 QSLPPDLRRKAARLVAAKCTLAARVDSFHSTEGKVGVELKDEIERKFDKWQEP PPVKQVKLPAPLDGQ
 RKKRGGRRYRKMKERLGLTEIRKQANRMSFGEIEEDAYQEDLGFSLGHLGKSGSGRVRQTQVNEATKARI
 SKTLQRTLQKQSVVYGGKSTIRDRSSGTASSVAF TPLQGLEIVNPQAAEKKVAEANQKYFSSMAEFLKVK
 GEKSGTMST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

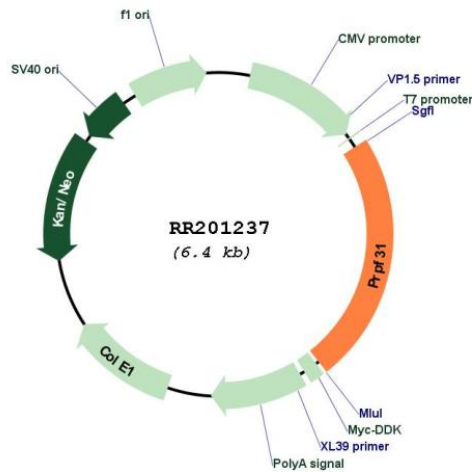
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106219

ORF Size: 1497 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_001106219.1](#), [NP_001099689.1](#)

RefSeq Size: 2404 bp

RefSeq ORF: 1500 bp

Locus ID: 292536

Cytogenetics: 1q12

MW: 55.4 kDa