

Product datasheet for **RR211355**

Prpf4 (NM_001106659) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf4 (NM_001106659) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prpf4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR211355 representing NM_001106659
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTCCTCAGAGCCTCCTCCACGACAACCAAACTAAAGCACCTGACGATTTAGTTGCTCCTGTTG
 TGAAGAAACCACACATCTATTATGGAAGCTTGGAAAGAAAAGAGCGGGAACGCCTGGCCAAAGGAGAGTC
 TGGGATTTTGGGAAAAGAAGGACTCAAAGCCGGCATTGAAGCAGGAAATATTAATAAACGCTCTGGAGAA
 GTCTTTGAAATTGAGGAGCACATCAGTGAGCGGCAGGCTGAAGTCTTGGCAGAGTTTAAAGAAGAAAGC
 GAGCCCGGCAAAATCAATGTTTCCACGGATGACTCAGAGGTCAAGGCTTGCCTTAGAGCCTTGGGAGAACC
 GATCACACTTTTTGGAGAGGGCCCTGCTGAACGAAGAGAAAGTTAAGAAATATTCTCTCAGTGTTGGG
 ACTGATGCCTTAAAAAGACAAAAAAGATGATGAAAAATCTAAGAAGTCAAAGAAGAGTATCAGCAA
 CCTGGTACCATGAAGGGCAAAATAGCCTGAAGGTGGCCAGATTGTGGATTGCCAATTATTACTCCCCAG
 GGCAATGAAACGCTTGGAGGAGGCCGCTCCATAAGGAGATTCCCGAGACCACCAGAACCTCCCAGATG
 CAGGAGCTGCACAAGTCTCTCCGGTCTTTGAATAATTTCTGCAGTCAGATTGGAGATGACCGGCCAATCT
 CCTACTGTCACTTCAGCCCAATTCTAAAATGCTAGCCACAGCTTGTGGAGTGGGCTCTGCAAGCTCTG
 GTCTGTCCCTGACTGCAGCCTCCTTCACTCTTCGAGGCCATAATACAAATGTCGGAGCAATTGTATTC
 CATCCCAATCCACTGTCTCCTTGGACCAAAAAGATGTCAACCTGGCCTCTTGTGCTGCTGATGGCTCTG
 TGAAGCTTTGGAGTCTTGACAGTGATGAGCCAGTGGCAGATATTGAAGGCCATACAGTCCGTGTGGCTCG
 GGTAATGTGGCATCCGTAGGGCGTTTCTGGGCACAACCTGTTATGACCGTTCATGGCGCTTATGGGAT
 TTAGAGGCTCAAGAGGAGATTCTACACCAGGAAGGCCACAGCATGGGTGTGTATGACATTGCCTCCATC
 AAGATGGCTCTTTGGCTGGCACTGGGGGACTGGATGCCTTTGGCCGAGTTTGGGACCTACGCACAGGACG
 CTGCATTATGTTCTAGAAGGCCATCTGAAGGAGATCTACGGGATAAGTTTCTCCCAATGGCTACCAC
 ATTGCCACTGGCAGTGGTGACAACCTGCAAGGTGTGGGATCTTCGACAGCGACGCTGTGTCTACACCA
 TCCCGGCCATCAGAACTTAGTGACTGGTGTCAAGTTTGGCCTATCCATGGGGACTTCTTGCTCACGGG
 TGCCTATGACAACACAGCCAAGATCTGGACCCACCCAGGCTGGTCCCACTGAAGACTCTGGCTGGGCAT
 GAGGGCAAAGTGATGGGCTAGACATTTCTTCTGATGGGCAGCTCATAGCCACTTGCTCATATGACAGAA
 CCTTCAAGCTCTGGATGGCAGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211355 representing NM_001106659
 Red=Cloning site Green=Tags(s)

MASSRASSTTTTKAPDDL VAPVVKPHIYYGSLEEKERERLAKGESGILGKEGLKAGIEAGNINITSGE
 VFEIEEHISERQAEVLAEFERRKRARQINVSTDDSEVKACLRLGEPITLFGGPAERRERLRNLSVVG
 TDALKKTKKDDKSKKSKEEYQQTWYHEGPNLKVVARLWIANYSLPRAMKRLLEEARLHKEIPETTRTSQM
 QELHKSLRSLNFCISQIGDDRPISYCHFSNPKMLATACWSGLCKLWSVPDCSLHLHLRGHNTNVGAIVF
 HPKSTVSLDQKVDNLASCAADGSKLWLSLDSDEPVADIEGHTVRVARVMWHPSGRFLGTTTCYDRSWRLWD
 LEAQEEILHQEGHSMGVYDIAFHQDGLAGTGGGLDAFGRVWDLRTGRCIMFLEGLHKEIYGISFSPNGYH
 IATGSGDNTCKVWDLRQRRCVYTI PAHQNLVTGVKFEPIHGFLLTGAYDNTAKIWHPGWSPLKTLAGH
 EGKVMGLDISSDGLIATCSYDRTFKLMMAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

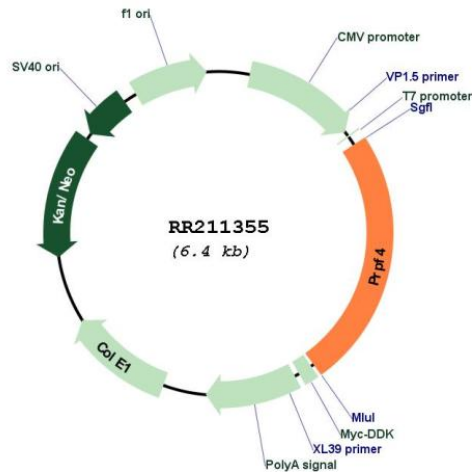
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001106659

ORF Size: 1563 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_001106659.1](#), [NP_001100129.1](#)

RefSeq Size: 2596 bp

RefSeq ORF: 1566 bp

Locus ID: 298095

Cytogenetics: 5q24

MW: 58.3 kDa