

Product datasheet for **RR212258**

Prpf3 (NM_001108559) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf3 (NM_001108559) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prpf3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR212258 representing NM_001108559
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACTGTCTAAGCGGAACTGGATGAGCTGAAACCATGGATAGAGAAGACAGTGAAGAGAGTGTCTGG
 GTTCTCAGAGCCACGGTGGTCACAGCGCATTGAACTGTGTGGGAAGGGCATGGACAAAAAGAAGGC
 GGCTGATCACCTGAAACCTTTTCTTGATGACTCCACTCTCCGATTTGTGGATAAGTTGTTTGAAGCTGTG
 GAGGAAGGCCGGAGCTCAAGACTCCTAAGTCTAGCAGTGACAGAAGCAGGAAACGAGAGTTAAAGGAGG
 TGTGGTGGTACTCTGAGATCTCAAAGGAATCATCAGGGTAAAGAAGCGGGAATACCCCGTTTGA
 GGAGGTAGAAGAGGAACAGAGGTGATCCCTGGACCTCCGTGAGAAAGCCCTGGCATGCTAACGAAGCTC
 CAGATCAAACAGATGATGGAGGCAGCAACGAGACAAATCGAGGAAAGGAAAAAGCAGCTGAGCTTCATCA
 GCCCCCTGCACCTCAGCAAAGACACCTTCTTCTTCCCAACCAGAGCGACTTCCAATTGGCAACACTAT
 TCAGCCCTCCCAGGCCGCTACCTTTATGAATGATGCCATTGAGAAGGCAAGGAAAGCCGCTGAACTACAA
 GCCCGAATCCAGGCCAGCTGGCTTTGAAGCCAGGGCTTATTGGCAATGCCAACATGGTGGGCCTAGCTA
 ATCTCCATGCCATGGGCATAGCTCCACCGAAAAGTCGAGTTAAAAGATCAGACGAAGCCACCCCACTGAT
 CCTGGATGAGCAAGGCCCACTGTGGATGCCACAGGCAAGGAGGTGGAGCTCACACACCGCATGCCACC
 CTGAAGGCAAACATTCGAGCTGTGAAGAGGGAACAGTTCAAACAGCAACTAAAAGAAAAGCCATCAGAAG
 ACATGGAATCTAATACCTTTTTTACCCAGAGTCTCAATTGCCCTTCCCAGCGTCAAAGACGCACTTT
 TAAATTCATGACAAGGGCAAATTTGAGAAGATTGCTCAACGATTACGGACAAAGGCTCAGTTGGAAAAG
 CTGCAAGCAGAGATTTACAGGCTGCTAGAAAAACAGGCATTATACGTGACTAGACTTGCCCTCATTG
 CTCCTAAAAAGAGCTGAAGGAAGGCACATCCCTGAAATTGAGTGGTGGGACTCTACATCATTCCCAA
 TGGCTTTGACCTTACAGAGGAAAAATCCCAAGAGAGAAGATTATTTTGAATCACAAATCTTGTGAACAT
 CCAGCCAGCTTAACCTCCAGTTGACAATGACACACCAGTTACCCTGGGTGTGTATCTTACAAAGAAGG
 AGCAGAAGAACTTCGGAGGCAAACAAGGAGGGAGGCACAGAAGGAGCTACAGGAGAAAGTCAGGCTAGG
 CCTGACACCTCTCCAGAGCCCAAAGTGAAGTCTCCAATTTAATGCGAGTATTAGGAACAGAAGCAGTT
 CAAGACCTACAAAGGTAGAAGCCACGTCAGAGCTCAGATGGCAAAGAGACAGAAGCGCACGAAGAGG
 CCAACGCTGCCGAAAACCTTACAGCAGAACAGAGAAAGGTCAAGAAAGTTAAAAAGCTTAAAGAAGACAT
 TTCACAGGGGTGCACATATCTGTGTATAGAGTTCGAAATTTGAGCAACCCAGCCAAGAAGTTCAAGATC
 GAGGCCAATGCTGGGCAGCTGTACTGACGGGGTGGTAGTGCTGCACAAGGATGTCAACGTGGTGGTCTG
 TGAAGGGGGCCCAAAGCCAGAAAGAAATTTAAGCGTCTCATGTACATCGGATAAAGTGGGATGAGCA
 GACGTCTAACACGAAGGGAGATGGGCACAGCCAAAGACCGGAGCTTTGGAGAGATGAAGTTCAAACAGT
 CCTACAGAGAACATGGCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212258 representing NM_001108559
Red=Cloning site Green=Tags(s)

MALSKRELDLKPWIEKTVKRVLGFSEPTVVTAALNCVVGKMDKKKAADHLKPFLLDDSTLRFVDKLF EAV
 EEGRSSRHSKSSSDRSRKRELKEVFGDDSEISKESGKRRIPRFEEVEEVEVPIPGPPSESPGMLTKL
 QIKQMEEAATRQIEERKKQLSFI SPPAPQPKTPSSSQPERLPIGNTIQPSQAATFMNDAIEKARKAAELQ
 ARIQAQLALKPGLIGNANMVGLANLHAMGIAPPKVELKDQTKPTPLILDEQGRVDTATGKEVELTHRMP
 LKANIRAVKREQFKQLKEPSEDMESNTFFDPRVSIAPSRQRRTFKFHDKGKFEKIAQRLRTKAQLEK
 LQAEISQAARKTGHTSTRLLAL IAPKELKEGDIP EIEWWDSYIIPNGFDL TEENPKREDFYGITNLVEH
 PAQLNPPVDNDTPVTLGVYLTKKEQKLLRRQTRREAQKELQEKVRLGLTPPPEPKVRISNLMRVLGT EAV
 QDPTKVEAHVRAQMAKRQKAHEEANAARKL TAEQRKVKVKKLKEDI SQGVHISVYRVRNLSNPAKFKI
 EANAGQLYLTGVVVLHKDVNVVVVEGGPKAQKFKRLMLHRIKWDEQTSNTKGDGHSQRPELWRDEVQTV
 PYREHGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001108559

ORF Size: 1911 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_001108559.1](#), [NP_001102029.1](#)

RefSeq Size: 2331 bp

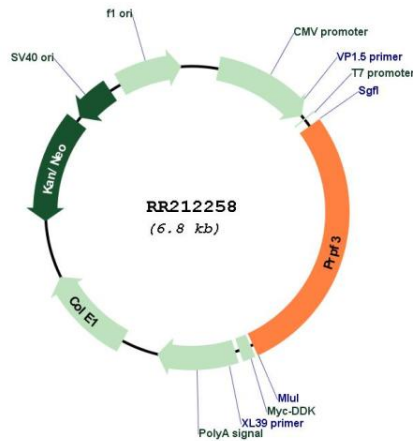
RefSeq ORF: 1914 bp

Locus ID: 361995

Cytogenetics: 2q34

MW: 72.2 kDa

Product images:



Circular map for RR212258