

Product datasheet for **RR201018**

Prkd3 (NM_001024263) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkd3 (NM_001024263) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prkd3
Synonyms:	Prkcn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR201018 representing NM_001024263
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCTGCAAATAATTCCTCCATCAGCCAGAATCTGTGTTCCCTGCAACTGTTTCTGCTGTGCTTC
CAACCCCTTCTCGTGTTCAAGTCCAAGACAGGACTCTCAGCTCGGCTCTCTAATGGCAGCTTCAGTGC
CGCGTCACTCACAACTCTAGAGGCTCGGTGCACACCGTTTCATTTCTACTTCAGATTGGCCTCACACGA
GAGAGTGTACCATCGAAGCCCAGGAAGTGTCTCTCCGCTGTCAAAGACCTCGTGTGCTCCATTGTTT
ATCAGAAGTTCCAGAGTGTGGATTCTTTGGCATGTATGATAAAATTTCTCTCTTTCCGCACAACATGAA
CTCAGAAAACATTTTGCAGCTGATTACCTCAGCAGATGAAATACATGAAGGGGATCTGTAGAAGTTGTC
CTGTCAGCTTTGGCCACAGTAGAAGACTCCAGATCCGCCCTCATGCTCTCTATGTCCATTCTTACAAG
CACCTACTTTCTGTGATTACTGTGGTAAATGCTCTGGGGATTGGTACGTCAGGATTAAAATGTGAAGG
CTGTGGATTAAAATATCATAAACGATGTGCCTCAAGATTCCAAATAACTGCAGTGGAGTAAAGAAAGAGA
CGTCTGTCAAATGTGTCTCTGCCAGGACCTGGCCTCTCAGTTCGGAGACCCTGCAGCCTGAATGTGTGC
CCCTGCTCAGTGAAGAGTCACATACTACCAAGAGCCAAGTAAGAGAATCCCGTCTGGAGTGGTCGTCC
GATCTGGATGGAAAAGATGGTAATGTGCAGGGTCAAAGTTCACACACGTTTGTGTCCACTCTTATGGC
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ATTGCAAATCAACTGCCACAACGCTGTGCATCCAAAGTACCACGAGACTGCCTCGGCGAAGTTACTTT
CAATGGAGAGCCTTCCAGTGTGGAACTGATACAGACATGCCGATGGATATTGACAGTAAATGATGTGAAC
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GTCTAACATTGTTTCAAGATGAATCTGGATCAAATATTATAAGGAAATCCACTTTCAGAAAATTCCTCG
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AGCAAGTGTGGCACTTCTCCAGGCCAGGGGAAGACCACAAAGATCTGGCTACCAGTATCTCCGTGTCT
AACTGTCAGATTCAAGGAAATGTAGACATCAGCAGTGTATCAGATCTTGGCCGATGAGGTGCTGGTT
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CACCATCTGGGATTGTAATCTGGAATGTATGTTTGAACCCCAAGACGAGTCTTCGTAGTGTGGAAA
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GGAAGTCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201018 representing NM_001024263
 Red=Cloning site Green=Tags(s)

MSANNSPPSAQKSVFPATVSAVLPSPSSPKTGLSARLSNGSFSASLTNSRGSVHTVSFLLQIGLTR
 ESVTIEAQELSLSAVKDLVCSIVYQKFPECGFFGMYDKILLFRHNMNSENILQLITSADEIHEGDLVEVV
 LSALATVEDFQIRPHALVYHSYKAPTFCDYCGEMLWGLVRQGLKCEGCLNYHKRCAFKIPNNCSGVRKR
 RLSNVSLPGPGLSVPRPLQPECVPLLSEESHTHQEPKIPSWSGRPIWMEKMVMCRVKVPHTFAVHSYG
 RPTICQYCKRLLKGLFRQGLQCKDKCFNCHKRCASKVPRDCLGEVTFNGEPSSVGTDTMPMDIDSNDVN
 SDGSRGLDDSEEPSPPEDKMFFLDAADLDVERDEEPVKTISPSTSNNIPLMRVVQSIKHTKRKSSTVYVE
 GWMVHYTSRDNLKRHYWRLDSKCLTLFQNESGSKYYKEIPLSEILRISSPDFTSISQGSNPHCFEIT
 DTVVYFVGENNGNSTHNPVLAATGVGLDVAQSWEKAIRQALMPVTPQASVCTSPGQGDHKLATSISVS
 NCQIQENVDISSVYQIFADEVLGSGQFIVYGGKHKRKTGRDVAIKVIDKMRFPKQESQLRNEVAAILQNL
 HHPGIVNLECMFETPERVFVMEKLGDMLEMLSSEKSRLPERITKFMVTQILVALRNLHFKNIVHCDL
 KPENVLLASAEPFPQVKLCDFGFARIIGEKSFRRSVVGTPAYLAPEVLRKGYNRSLDMWSVGVIVVYVSL
 SGTFFPNEDEDINDQIQNAAFMYPPNPWREISSEIDLINLLQVKMRKRYSDKLSLHPWLQDYQTWLD
 LREFETRIGERYITHESDDARWEIHAYTHNLEYPKHFIMAPNPDDMEEGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

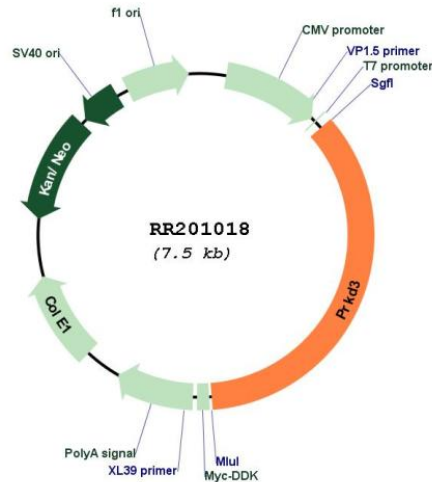
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001024263

ORF Size: 2670 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_001024263.2](#), [NP_001019434.2](#)

RefSeq Size: 5769 bp

RefSeq ORF: 2673 bp

Locus ID: 313834

Cytogenetics: 6q11

MW: 100.2 kDa