

Product datasheet for **RR212553**

Prkn (NM_020093) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkn (NM_020093) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prkn
Synonyms:	Park; Park2; Prkn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR212553 representing NM_020093
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATAGTGTGGTTCAGGTTCAACTCCAGCTATGGCTTCCAGTGGAGGTCGATTCTGACACCAGCATCT
 TCCAGCTCAAGGAAGTGGTTGCTAAGCGACAGGGGTTCCAGCTGACCAGCTGCGAGTGATTTTTGCTGG
 GAAGGAGCTGCAGAATCACCTGACAGTACAGAAGTGTGACCTGGAACAACAGAGTATCGTTCACATAGTA
 CAGAGACCACAGAGGAAAAGTACAGAAACAAATGCCTCTGGAGGGGACAAACCCAGAGCACCCCGGAGG
 GCTCCATATGGGAGCCCAGAAGCTTGACTCGAGTGGACCTCAGCAGCCATATCCTGCCAGCGGACTCCGT
 GGGGCTGGCAGTCATTCTGGACACAGACAGCAAGAGTACTCAGAAGCAGCCAGAGGTCCAGCAGCTAAA
 CCCACCTACCACAGCTTTTTTGTCTACTGCAAAGGCCCTGCCACAAGGTCCAGCCTGGGAAACTCCGAG
 TTCAGTGGCCACCTGCAGACAAGCAACCCTCACCTGGCCAGGGCCCATCTTGTCTGGGATGATGTCTT
 AATTCCAAACCGGATGAGTGGAGAGTGCCAATCTCCAGACTGCCCTGGGACAAGAGCTGAATTTTTCTTT
 AAATGTGGAGCACACCAACCTCAGACAAGGACACATCAGTAGCTTTGAACCTGATCACCAACAACAGCC
 GCAGCATCCCCTGCATCGCGTGCACGGATGTCAGGAACCCCTGTCTTGGTCTTCCAATGTAACCACCGCCA
 CGTGATCTGTTTGGACTGCTTCCACTTGTACTGTGTCAACAAGGCTCAACGATCGGCAGTTTGTCCACGAC
 GCTCAACTTGGCTACTCCCTGCCGTGTGTGGCTGGCTGTCCCAACTCCCTGATTAAGAGCTCCATCACT
 TCAGGATCCTTGGAGAAGAGCAGTACAACAGGTACCAGCAGTATGGTGCCGAGGAGTGCCTGCTGCAGAT
 GGGAGGTGTGCTGTCCCCCGTCTGGCTGCGGAGCTGGGCTGCTGCCTGAACAGGGCCAGAGGAAAAGTC
 ACCTGCGAAGGGGCAACGGCCTGGGCTGTGGTTCTGTTTCTGCCGGGACTGCAAGGAAGCATACCATG
 AAGGGGAGTGCAGCTCGATGTTTCAAGCCTCGGGGCGACTTCTCAGGCATACCGGGTGGATCAAAGAGC
 TGCTGAGCAAGCACGGTGGGAGGAGGCCCTCCAAGGAAACCATCAAGAAAACCAACCAAGCCTTGTCTCGC
 TGCAATGTGCCATTGAAAAGAATGGAGGATGTATGCACATGAAGTGTCTCAGCCCCAGTGAAGCTGG
 AGTGGTGTGAACTGTGGCTGTGAGTGAACCGAGCCTGCATGGGTGATCACTGGTTTGACGTGAGTGG
 TGCTGAACTGTGGCTGTGAGTGAACCGAGCCTGCATGGGTGATCACTGGTTTGACGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212553 representing NM_020093
 Red=Cloning site Green=Tags(s)

MIVFVRFNSSYGFPEVSDTSIFQLKEVVAKRQGVLPADQLRVIFAGKELQNHLLTVQNCLEQQSIVHIV
 QRPQRKSHETNASGGDKPQSTPEGSIWEPRSLTRVDLSSHILPADSVGLAVILDTSKSDSEAARGPAAK
 PTYHSFFVYCKGPCHKVQPGKLRVQCGTCRQATLTLAQGPSCWDDVLIIPNRMSEGCQSPDCPGTRAEFF
 KCGAHPSTDKDTSVALNLIITNNSRSIPCIACTDVRNPVLFVQCNHRHVICLDCFHLYCVTRLNDRQFVHD
 AQLGYSLPCVAGCPNSLIKELHHFRILGEEQYNRYQQYGAEECVLQMGVLCPRPGCGAGLLPEQGQRKV
 TCEGGNGLGCGFVFCRDCKEAYHEGECDSMFEASGATSQAYRVDQRAAEQARWEEASKETIKKTTKPCPR
 CNVPIEKNGGCMHMKCPQPQCKLEWCWNCGEWNRACMGDHWFDVSGAGTVAVSGTEPAWVITGLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

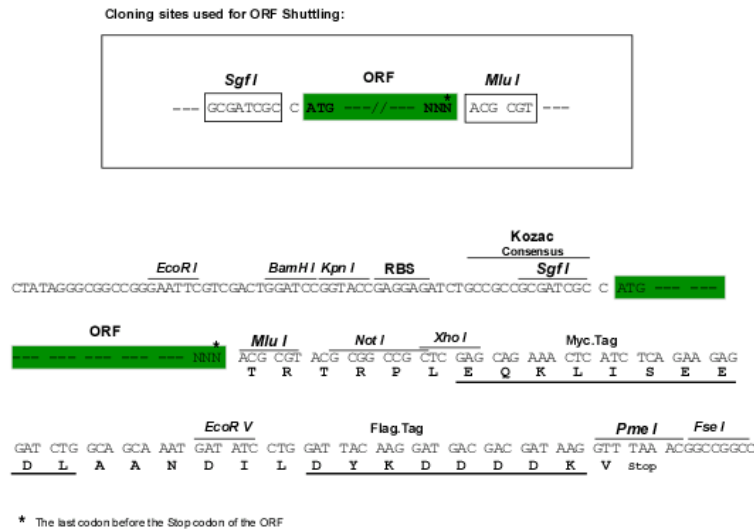
Chromatograms:

https://cdn.origene.com/chromatograms/ja1280_c01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_020093

ORF Size: 1395 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 Size: 1564 bp

RefSeq ORF: 1398 bp

Locus ID: 56816

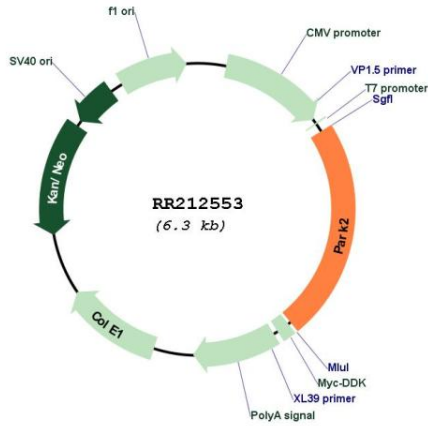
UniProt ID: [Q9JK66](#)

Cytogenetics: 1q11

MW: 51.7 kDa

Gene Summary: localized to the cytoplasm in neurons of many regions of the brain; has N-terminal ubiquitin and ring-IBR-ring finger domains [RGD, Feb 2006]

Product images:



Circular map for RR212553