

Product datasheet for **MR211075**

Prkd3 (NM_029239) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkd3 (NM_029239) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prkd3
Synonyms:	4930557O20Rik; 5730497N19Rik; Pkcnu; PKD3; Prkcn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR211075 representing NM_029239
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGCAAATAATTCCTCCATCAGCCAGAATCTGTGTTCCCTGCAACTGTTTCTGCTGTGCTTC
 CAGCTCCTTCTCGTGTTCAAGTCCAAAAACAGGACTCTCAGCTCGGCTCTCTAATGGCAGCTTCAGTGC
 CCCGCTACTCACAACTCTAGAGGCTCAGTGCACACAGTTTCATTTCTACTTCAGATTGGCCTCACACGA
 GAGAGTGTACCATCGAGGCCAGGAAGTGTCTCTCTGCTGTCAAAGACCTCGTGTGCTCCATTGTTT
 ATCAGAAGTTTCCAGAGTGTGGATTCTTTGGCATGTATGATAAAATTTCTCTCTTTCGCCACGACATGAA
 CTCAGAAAAATTTTGCAGCTGATTACCTCAGCAGATGAAATACATGAAGGGACCTGGTAGAAGTTGTC
 CTGTCAGCTTTGGCCACAGTGAAGACTCCAGATCCGCCCTCACGCTCTCTATGTACATTTTACAAG
 CACCTACTTTTTGTGATTACTGTGGTAAATGCTCTGGGGACTGGTACGTCAGGATTAAAATGTGAAGG
 CTGTGGATTAAAATATCATAAACGATGTGCCTCAAGATTCCAAATAACTGCAGTGGAGTAAAGAAAGAGA
 CGTCTGTCAAATGTATCTCTGCCAGGACCTGGCCTCTCAGTTCGAAGACCCTGCAGCCTGAGTGTGTGC
 CCCTTCTCAGTGAAGAGTCACATACTACCAAGAGCCAGTAAGAGAATCCCGTCTGGAGTGGTGTGCTCC
 GATCTGGATGGAAAAGATGGTAATGTGCAGGGTCAAAGTCCCTCACACATTTGCTGTCCACTCTTATGGC
 CGCCCCACCATATGCCAGTACTGCAAGCGCTGTGAAAGGCCTTCCGCCAAGGGATGCAGTGTAAAG
 ATTGCAAATCAACTGCCATAAACGCTGTGCATCCAAAGTACCAAGAGACTGCCTTGGCGAAGTTACTTT
 CAATGGAGAGCCGTGCAGCGTGGGGACTGATGCAGACATGCCATGGATATTGACAGTAGTATGTGAAC
 AGTGTGGCAGTAGGGGCTTGGATGACTCAGAGGAGCCGTCGCCGCCGAAGACAAGATGTTCTTCTCG
 ACCCGACTGATCTCGACTGGAGCGAGATGAGGAGACTGTTAAGACAATCAGTCCATCCACCAGCAATAA
 TATCCCGCTGATGAGGGTGGTGCAGTCCATCAAGCACACAAAGAGGAGGAGCAGCACAGTTGTGAAGGAA
 GGGTGGATGGTCCACTACACCAGCAGGGACAACCTGAGAAAAGAGACATTATTGGAGACTTACAGTAAAT
 GTCTAACATTGTTTCAAATGAATCTGGATCAAAGTATTATAAGGAAATCCACTTTCAGAAATTCCTCG
 TGTATCTTACCAGCAAGATTTACCAGCATTTACAAGGCAGTAACCCACACTGTTTTGAAATCATCACC
 GATACCGTGGTATACTTTGTTGGTGAACAATGGGAGCAGCTCTCATAATCCTGTTCTCGCTGCCACTG
 GAGTGGGACTAGATGTGGCGCAGAGCTGGGAAAAAGCAATTCGCCAGGCCCTCATGCCTGCACTCCTCA
 AGCAAGTGTGGCACTTCTCCGGGCAAGGGAAGGACCACAATCTGGCTACCAGTATCTCCGTGTCTAAC
 TGTGAGTTTCCAGGAGATGTCGACATCAGCAGCGTTTACCAGATCTTTGCCGACGAGGTGCTTGGTTCTG
 GCCAGTTTGGCATTGTTTATGGAGGAAAACACAGAAAGACGGGAAGGGATGTGGCTATTAAGTGAATTGA
 TAAAATGAGGTTCCCAACAAAGCAAGAGAGTCACTCCGGAACGAAGTGGCCATTTTACAGAATCTGCAC
 CATCCTGGGATTGTAACCTGGAGTGTATGTTGAAACCCAGAACGAGTCTTCTGGTGTGAAAAGC
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 CATGGTCACACAGATACTTGTGCTTGGAGAAATTTACATTTCAAGAATATTGTGCACTGTGATTTAAAG
 CCCGAAAATGTGCTGCTGCATCCGAGAGCCATTTCTCAGGTGAAGCTGTGTGACTTTGGGTTTGCCC
 GCATCATTGGTGAGAAGTCGTTCCGGAGGTCAGTGGTAGGAATCCAGCCTACTTAGCCCTGAGGTTCT
 CAGGAGCAAAGGCTACAACCGTTCTCTAGACATGTGGTCGGTGGCGTCACTGTTTATGTGAGCCTCAGT
 GGCACATTTCCATTCAATGAAGATGAAGATATAAATGACCAAATCCAAAACGCTGCGTTTATGTACCCAC
 CAAATCCATGGCGAGAAATTTCCAGTGAAGCAATTGACTTGATAAAACAACTTGCTTCAAGTGAAGATGAG
 AAAACGATACAGTGTGACAAATCTCTCAGTCATCCTTGGCTACAGGATTATCAGACTTGGCTTGCCTC
 AGAGAATTTGAACTCGCATTGGAGAACGTTACATTACACACGAAAGTGTATGCTCGCTGGGAAATAC
 ACGCATACACGCACAATCTGGAATACCAAAGCATTTTATTATGGCCCCAACCCAGACGACATGGAGGA
 GGATCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211075 representing NM_029239
Red=Cloning site Green=Tags(s)

MSANNSPPSAQKSVPFATVSAVLPAPSPCSSPKTGLSARLSNGSFSAPSLTNSRGSVHTVSFLLQIGLTR
 ESVTIEAQELSLSAVKDLVCSIVYQKFPECGFFGMYDKILLFRHDMNSENILQLITSADEIHEGDLVEVV
 LSALATVEDFQIRPHALYVHSYKAPTFCDYCGEMLWGLVRQGLKCEGCLNYHKRCAFKIPNNCSGVRKR
 RLSNVSLPGPGLSVPRPLQPECVPLLSEESHTHQEPKRIKIPSWSGRPIWMEKMVMCRVKVPHTFAVHSYG
 RPTICQYCKRLLKGLFRQGMQCKDCKFNCHKRCASKVPRDCLGEVTFNGEPCSVGTADAMPMDIDSSDVN
 SDGSRGLDDSEEPSPPEDKMFFLDPTDLDERDEETVKTISPSTSNNIPLMRVVQSIKHTKRRSSTVYKE
 GWMVHYTSRDNLKRHYWRLDSKCLTLFQNESGSKYYKEIPLSEILRVSSPQDFTSISQGSNPHCFEIT
 DTVVYFVGENGSSSHNPVLAATGVGLDVAQSWEKAIRQALMPVTPQASVCTSPGQGDHNLATSISVSN
 CQVQENVDISSVYQIFADEVLGSGQFGIYVGGKHKRKTGRDVAIKVIDKMRFPKQESQLRNEVAAILQNLH
 HPGIVNLECMFETPERFVVMKELHGDMLEMILSSEKSRPERITKFMVTQILVALRNLHFKNIVHCDLK
 PENVLLASAEPFPQVKLCDFGFARIIGEKSFRRSVVGTAYLAPEVLRSGYNRSLDMWSVGVIVVYVSL
 GTFPFNEDEDINDQIQNAAFMYPPNPWREISSEIDLINLLQVKMRKRYSVDKSLSHPWLQDYQTWLDL
 REFETRIGERYITHESDARWEIHAYTHNLEYPKHFIMAPNPDDMEEDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

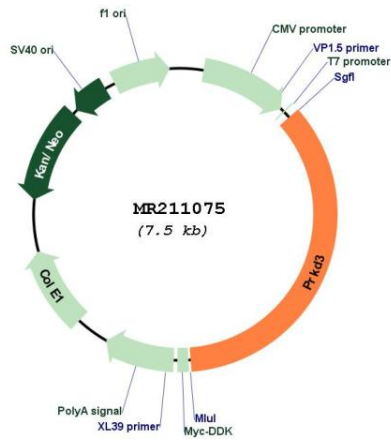
Cloning Scheme:



ACCN: NM_029239

ORF Size:	2667 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:	<ol style="list-style-type: none">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_029239.3 , NP_083515.2
RefSeq Size:	5884 bp
RefSeq ORF:	2670 bp
Locus ID:	75292
UniProt ID:	Q8K1Y2
Cytogenetics:	17 E3
MW:	100.5 kDa
Gene Summary:	Converts transient diacylglycerol (DAG) signals into prolonged physiological effects, downstream of PKC. Involved in resistance to oxidative stress (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211075