

Product datasheet for **RR202299**

Dapk3 (NM_022546) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dapk3 (NM_022546) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dapk3
Synonyms:	Dapkl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR202299 representing NM_022546
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCACGTTTCAGGCAGGAGACGTTGAGGACCATTATGAGATGGGAGAGGAGCTTGGCAGCGCCAGT
 TCGCCATCGTGCACAAGTGCCAGCAGAAGGGCACCGGCATGGAGTACGCGCCAAGTTCATAAAGAAGCG
 GCGCCTGCCGTCCAGCCGGCGCGGTGTGAGCCGTGAGGAGATCGAGCGGAGGTGAGCATCCTGCCGAG
 ATCCGCCACCCCAACATCATCACGCTGCACGATGTGTTGAGAACAAGACAGATGTGGTGTGATCTTGG
 AGCTGGTGTCCGGCGCGCAACTTTTCGACTTTCTGGGTGAGAAGGAGTCACTGACAGAGGATGAGGCCAC
 GCAGTTTCTCAAGCAGATCCTGGACGGTGTCCACTACCTGCACTCCAAGCGCATCGCGCACTTTGACCTG
 AAGCCGGAGAACATCATGTTGCTGGACAAGCATGCAGCCAGCCACGCATTAAGTCATCGACTTTGGCA
 TCGCGCACAGGATCGAGGCCGTAGCGAGTTCAAGAACATCTTTGGCACGCCAGAGTTCTGCGCCCTGA
 GATTGTAACATGAACCACTTGGCTTGAAGCTGATATGTGGAGCATCGCGTCATCACCTACATCCTC
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 CAAAGATCCCAAGAGGAGGATGACCATCGCACAGAGCCTGGAGCATTCTGGATCAAGGTTCCGCCGCGT
 GAGGACGGCGCCCGAAGCCAGAGCGACGCCGACTGCGCGCGCGCGCCTGCGCGAGTACAGTCTCAAGT
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 CTGCGCGTGGCTGCGGAACAGCGGGAGGCGCGCTGCCGCGACGGGAGCGCCGGGCTAGGCCGCGACTGC
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 GCTCTTGGGCGCTGGTGGCCTGAAACGTGCGCTGTGTCGCTTGAAGACCGCTACGACGCGCTAGCCGCA
 CAGGTGGCTGCTGAGGTGCAGTTCGTGCCGATCTGGTACGCGCGCTGGAGCAGGAGCGGCTGCAGGCC
 AGTGCAGCGTGGCG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202299 representing NM_022546
 Red=Cloning site Green=Tags(s)

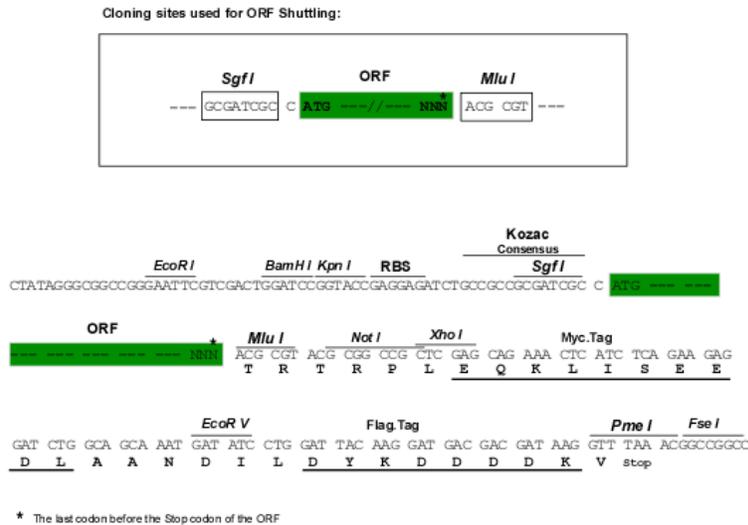
MSTFRQEDVEDHYEMGEELGSGQFAIVRKCQKGTGMEYAAKFIKKRRLPSSRRGVSREEIEREVSILRE
 IRHPNII TLHDFENKTDVVL ILELVSGGELDFLAEKESL TEDEATQFLKQILDGVHYLHSKRIAHFDL
 KPENIMLLDKHAASPRIKLIDFGIAHRIEAGSEFKNIFGTFEVAPEIVNYEPLGLEADMWSIGVITYIL
 LSGASPFLGETKQETLTNISAVNYDFDEEYFSSSELA KDFIRRLLVKDPKRRMTIAQSLEHSWIKVRRR
 EDGARKPERRRLRAARLREYSLKSHSSMPRNTSYASFERFSRVLEDVAAAEQGLRELQRGRRQCRERVCA
 LRVAAEQREARCRDGSAGLGRDLRRLRTELGRTEALRTRAQEEARAALLGAGGLKRRLCRLENRYDALAA
 QVAAEVQFVRDLVRALEQERLQAECGVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_022546

ORF Size: 1344 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_022546.1](#), [NP_071991.1](#)

RefSeq Size: 1514 bp

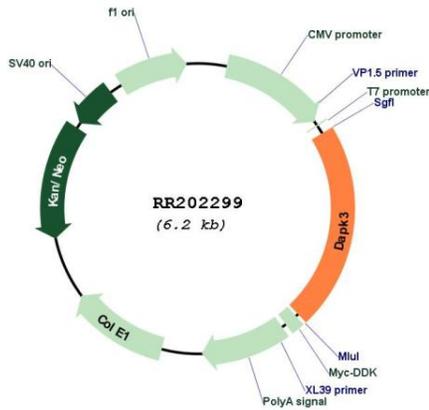
RefSeq ORF: 1347 bp

Locus ID: 64391

UniProt ID: [O88764](#)

Cytogenetics: 7q11
MW: 51.4 kDa
Gene Summary: calmodulin (CaM)-regulated protein kinase; may be involved in apoptosis and neuronal development [RGD, Feb 2006]

Product images:



Circular map for RR202299