

Product datasheet for **RR216826**

Dmkn (NM_001173357) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmkn (NM_001173357) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dmkn
Synonyms:	RGD1561521
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR216826 representing NM_001173357
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCCACAAGGGTCTCTGGCCTGTCTCCTGTGGCCCTATGTCTGGGCAGCGGGGTAGCTAATCCGC
 TGCACAGCGGAGGGGAGGGCACAGGGGCAATGCTGCCCCGGAATGGGAGGTACCATTAGCCATGGAAT
 TGGAGAGTCTGTGGGCCAAGGGGCTAAAGAAGCAGCCAGCTCTGGAATCCAGGATGCCCTGGGTACGGGG
 CACGGCGAAGGTGGCTACGCACTGATGGGGGACAGGGGATGTTTTCGACCACCAGCTTGGGGAGGCAG
 CTCGATCTCTGGAGAACCTGGGAATGAGATTGGCAGACGGGCTGAGGATGTTATTCGCAGAGGGGTAGA
 CGCTGCCACAACCTGGGTCTGGGGACATCTGGAGGTCATGGCGTGTATGGCTCTCAAGGTGGTTTT
 GGAAGCCAGGGCAATCCTGGTGTGAAGGGACACCCTGGGCTCAGGAGGCAACTATGGAACAACTCTC
 TGGGTGGCTCTGTGGGTAGGGTGGCAGTGGCAGGCCGCTCAACTATGAAACCAATGCCAGGGGGCTGT
 GGCTCAGCCTGGCTATGGAGCAGTGAGAGGCAACAACCAGAATTCAGGGTGTACCAACCCCCACCTTCT
 GACTCCACGAAAGCTTACGCACTCTGGGGGAAGCAGCAATGGCGGCAGTCATGGTGGCAAGGCAACC
 AAGGCAGCAATGGTCAGGGCAACAGCGCGGTAACAGCGGCAAGGCAGCAGTGGCAGCAGTGGCAACAG
 TGGCAACAACGAGGGCAGCGGTGGCCACAGTGGTAACAGCGGCGGCAACAGCGGTTCTGGGTCCCGGGAC
 CTGGAAACGTCTAATTTTGATGATGGCTATTAGTTTCCAGGGGAAGTACTCATCTCCGGCAGCAGAG
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 ATCTGGGAGTCAGGAAAGTAAAGAAAGCAGCCATCTCCTTGGAGGCTCCCATGACTACCAGGGGCACGGG
 TCCGGGCACGGGTCCAATGGTGGCAATGTACAAGAGATGCTGTCACTGGACTCAACACCATGAACCTCCG
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 TGGGAGAATTTCAACGCAACACTCCTTTCTTCAACTGAAACAGATTGAGGGCTCAGATCTGTCATCTC
 TGCAGAAGAGGGCAGGTGGTGTGACCACTTTCTCAGCCGGAAGCAGCAAGACAAGATCTGTCAGCTGA
 GTCAGCCAAGAATACTACAACAACGCCAGGTGAATCTACTTACAACCTGGCAATACTATAACCAAGACC
 ACCCCCAAGCGGGAGTCACACCTTATCCTCGGCTTCCCGGCACAACCTGGCTGCTGAAGTGGCTGA
 AGTTTTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216826 representing NM_001173357
 Red=Cloning site Green=Tags(s)

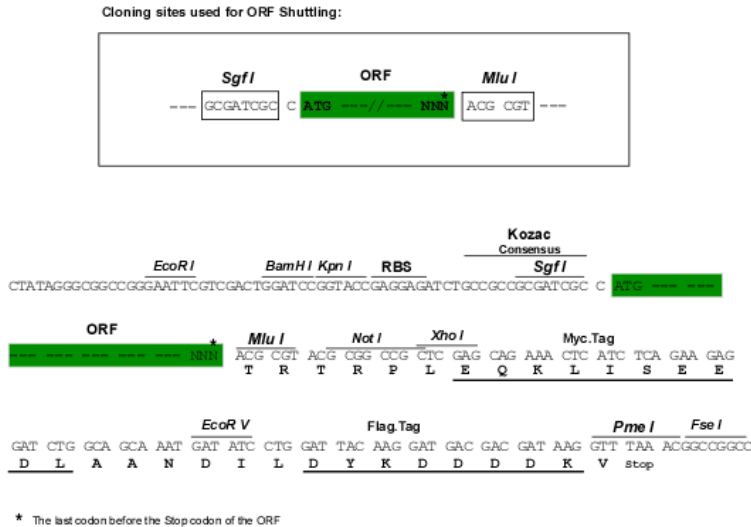
MKPQGLACLALLALCLGSGVANPLHSGGEGTGANAAPMGGTISHGIGESVQGQAKEAASSGIQDALGQG
 HEGGYALMGGRGDVFHQLEAARSLENAGNEIGRRAEDVIRRGVDAAHNSGSWGTSGHGVYGSQGGF
 GSQGNPGVEGTPWASGGNYGTNSLGGSVGQGGSRPLNYETNAQGAQAQPGYGAVRGNNQNSGCTNPPPS
 DSHEFSDSGSSNGGSHGGQGNQGSNGQNSGGNSGQSSGSSGNSGNNEGSGHSGNSGGNSGSGSRD
 LETSNFDDGYSVSRGTSSSSGSRGGSGGGRPECNPNPNDVRMAGGSGSQESKESSHLLGGSHDYQGHG
 SGHGSNNGNVQRDAVSLNMTMSDASSLPFNLDNFWENFKSKMGFINWDAINKGRGPAPSTRALLYFRRL
 WENFKRNTPPFFNWKQIEGSDLSSLQKRAGGADQFSQPEAARQDL SAESAKNYNNAQVNPTYNWQYYTKT
 TPKAGVTPSSASRAQPGLLKWLKFW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001173357

ORF Size: 1548 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_001173357.1](#), [NP_001166828.1](#)

RefSeq Size: 2016 bp

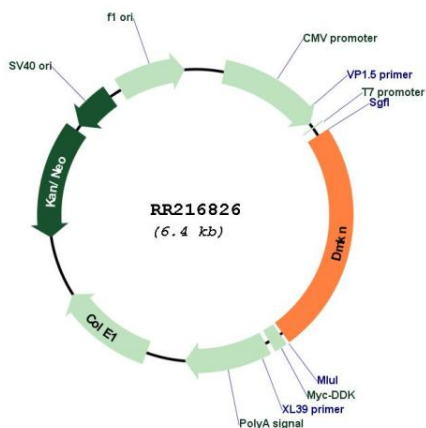
RefSeq ORF: 1551 bp

Locus ID: 361548

Cytogenetics: 1q21

MW: 52.2 kDa

Product images:



Circular map for RR216826