

Product datasheet for **RR204272**

Mdk (NM_030859) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mdk (NM_030859) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mdk
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204272 representing NM_030859
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATG CAGCACCGAAGTTTCTTCTAGCCCTTGTGCCCTCTGGCTGTCAGACCGCGGTGGCCAAA
AGAAAGACAAGGTGAAGAAGGGCAGCGAGTGTTCGGAGTGGACCTGGGGCCCTGCACCCCAGCAGCAA
GGACTGCGGCATGGTTTCCGCGAGGGTACCTGTGGGGCCAGACCCAGCGCATCCATTGCAAGGTGCC
TGCAACTGGAAGAAGGAGTTGGAGCCGACTGCAATACAAGTTGAGAGCTGGGGGCGTGTATGGGA
GCACTGGCACAAAGCCCGCCAAGGGACCTGAAGAAGGCTCGGTACAATGCCAGTGCCAGGAGACCAT
CCGCGTGACCAAGCCCTGCACCTCCAAGACCAAGTCAAAGGCCAAAGCCAAGAAAGGAAAAGGAAAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204272 representing NM_030859
Red=Cloning site Green=Tags(s)

MQHRSFFLLALVALLAVTTAVAKKKDKVKKGSECSEWTWGPCTPSSKDCGMGFREGTCGAQTQRIHCKVP
CNWKKKEFGADCKYKFESWGACDGTGKARQGLKARYNAQCQETIRVTKPCTSKTKSAKAKKGGKGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

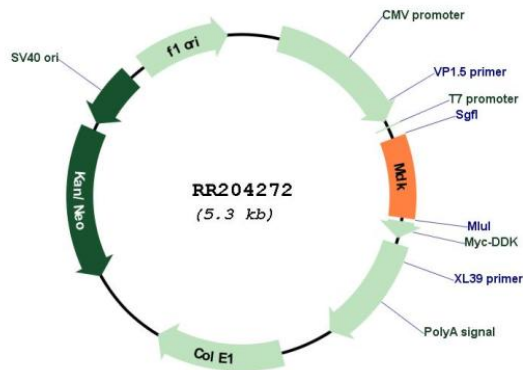


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Cloning Scheme:



Plasmid Map:



ACCN: NM_030859

ORF Size: 420 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_030859.2 , NP_110486.1
RefSeq Size:	423 bp
RefSeq ORF:	423 bp
Locus ID:	81517
UniProt ID:	Q9R1S9
Cytogenetics:	3q24
MW:	15.4 kDa
Gene Summary:	heparin-binding growth factor; involved in early fetal development of the rat adrenal [RGD, Feb 2006]