

Product datasheet for **RR202964**

Dkk2 (NM_001106472) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dkk2 (NM_001106472) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dkk2
Synonyms: Dkk4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202964 representing NM_001106472
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGCGCTGATGCGGGTCAAGGATTCATCCCCTGCCTTCTCCTACTGGCCGCGGTGCTGATGGTGG
AGAGTTCACAGCTAAGCAGCTCGCGGGCCAACTCACTCCATCAAGTCCTCTCTAGGTGGGAGACGCC
TGCTCAGGCTGCCAATCGATCTGCGGGCATGAACCAAGGACTGGCTTTCGCGGCAGTAAGAAGGGCAAA
AGTCTGGGGCAGGCCTACCCTTGCAAGCAGCGATAAGGAATGCGAAGTTGGAAGATACTGCCACAGTCCCC
ACCAAGGATCTTCAGCCTGCATGGTCTGTCTGGAGAAAAAGAAGCGATGCCATAGAGATGGGATGTGTTG
CCCTGGTACCCGCTGTAATAATGGCATCTGCATTCCAGTCACTGAGAGCATCCTGACCCACATATCCC
GCTCTGGATGGCACTCGGCATAGGGATCGCAACCATGGTCACTATTCCAACCATGACCTGGGATGGCAGA
ATCTAGGAAGGCCACACTCCAAGATGCCTCATATAAAGGGACATGAAGGAGACCCCTGTCTGCGGTATC
AGACTGCATTGATGGGTTTTGTTGTGCTCGCCACTTCTGGACAAAATCTGCAAACAGTGTCCATCAG
GGGAAGTCTGTACCAACAACGCAAGAAGGGTTCACATGGGCTGGAGATTTCCAGAGGTGTGACTGTG
CAAAGGGCTGTCTGCAAAGTGTGAAGGATGCTACCTACTCTTCCAAGCCAGACTCCATGTGTGCCA
GAAGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202964 representing NM_001106472
Red=Cloning site Green=Tags(s)

MAALMRVKDSSRCLLLLAAVLMVESSQLSSSRAKLNSIKSSLGGETPAQAANRSAGMNQGLAFGGSKKGGK
 SLGQAYPCSSDKECEVGRYCHSPHQSSACMVCRRKKRCHRDRGMCCPGTRCNGGICIPVTESILTPHIP
 ALDGRHRDRNRHGHYSNHDLGWQNLGRPHSKMPHIKGHEGDPCLRSSDCIDGFCCARHFWKICKPVLHQ
 GEVCTKQRKKGSHGLEIFQRCDCAKGLSCKVWKDATYSSKARLHVCQKI

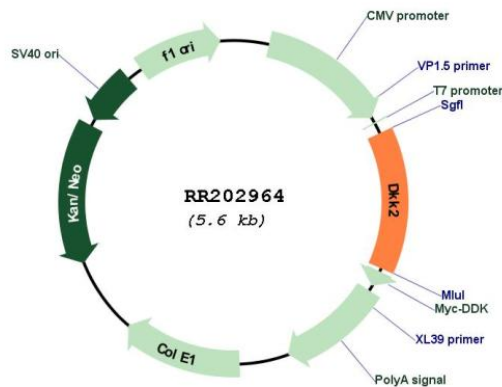
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106472
ORF Size: 777 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_001106472.1 , NP_001099942.1
RefSeq Size:	3087 bp
RefSeq ORF:	780 bp
Locus ID:	295445
Cytogenetics:	2q43
MW:	28.4 kDa