

Product datasheet for **RR208028**

Dkk1 (NM_001109145) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dkk1 (NM_001109145) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dkk1
Synonyms: RGD1563523
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208028 representing NM_001109145
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGTCGACTGGGAGTCCTGTTGCTGCTGCTCCCTTGGCCTTTGTGTGCGCCTCTGCTGTACCGATCC
ATGATGCCGACTCTCAGCAGAACTCCTCCGATTTCTGGCCTTCAGAGTCTTCTCAAAGCTTTAGTCCG
ACTGTTCTAAAAATGACCTGCTACAAGACCTGGACAATTCTCTCTCCCCCATGGACTTCCGAGAC
CTTCTAGGAACTTCCATCAGGAACAGAACAGGAGCACAGAATGGGAAACCATACCTCTCCAGCCACC
TACAGATAGACAAGATGACTGACAACCAGACAGGGGAGGTGCTCATCTCCGAGAAGGTGGTGGCTTCCAT
TGAGCCAGAAGTGAACCCAGAAGGTGACTGGAAGGTGCCAAAGTGGAGGCGAAAGAGGCCCTGGTGCC
GTGCGAAGGCCACCGACAGTTTGCACCCAGAGCCCGGGCGGGTGGCTTCTGGATTATGAAGATGCCAA
GACGGAGGACCCAGCCAGATGTCCAGGACGAAACCGTGGCTCACAGAAAAGCGGCACCCGATGCAGGC
CATCCGGGATGGGCTCCGAGGAGCGCCATGAGGACAACCTTGAGGAAGGGTCCATGTGCCCAACAC
GCCAAGGTGCCATCCGAAAGACACACTTCTCTACATCTCAGGCCATCCAGCAGCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208028 representing NM_001109145
 Red=Cloning site Green=Tags(s)

MGRLGVLLLLLPLAFVCASAVPIHDADSQQNSSGFLGLQSLQSF SRLFLKNDLLQDLNFFSSPMDFRD
 LPRNFHQEQNQEHRMGNHTLSSHLQIDKMTDNQTGEVLI SEKVVASIEPEVNPEGDWKVPKVEAKEALVP
 VQKATDSLHPERPRVAFWIMKMPRRRTQPDVQDGNRWL TEKRHRMQAIRDGLRGGAHEDNLEEGLVHPVQH
 AKVPIRKTHFLYIFRPSQQL

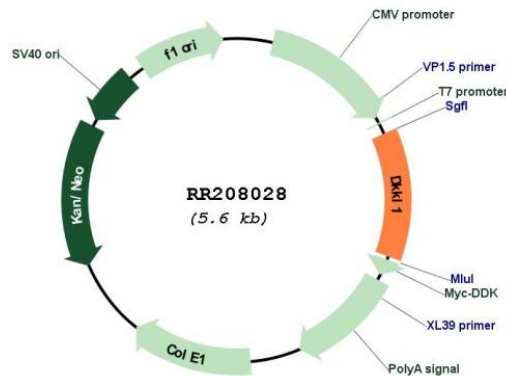
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109145

ORF Size: 690 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_001109145.1 , NP_001102615.1
RefSeq Size:	1140 bp
RefSeq ORF:	693 bp
Locus ID:	499150
Cytogenetics:	1q22
MW:	26.4 kDa