

Product datasheet for **RR202360**

Dgke (NM_001039341) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dgke (NM_001039341) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dgke
Synonyms: Dgke
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202360 representing NM_001039341
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGGGAGACCAGCGGTCCGGCCATCGGCGCAGGGCCTGCTCCCGATGGCCACTTGATCCTATGGA
CGCTGTTCTCCGTGCTGTTGCCGGTGTTCATCACCTTATGGTGTAGTCTGCAGCGTTCGCGCCGGCAGCT
GCACCGCAGGGACATCTCCGCAAGAGCAAGCACTGCTGGCGTGACACCGACCTGTTTCAGCCACCCACC
TACTGCTGCGTGTGCGCCAGCACATCCTGCAAGGAGCCTTCTGCGACTGCTGCGGGCTCCGCGTGGACG
AGGGCTGCCTCAAGAAGGTGACAAAGCGCTTCCCGTGCAAGGAGATCATGCTCAAGAACGACAGCAGGGC
CGCAGATGCGATGCCACCCTGGATCCGCGGCAACGTCCCGTGTGCACTTACTGTGTAATCTGCAGG
CAGCAGTGTGGCAGCCAGCCTAACTCTGCGACTACCGGTGTGTTTGGTCCAGCAGACAGTCCACGATG
AGTGCATGAGAGGCAGCTTAAAGAGTGAGAAGTGTGATTTTGGAGAATCAAAAATCTCATCCCTCC
AAGTTATTTAACGTCCATTAACCAGATGCGTAAAGACAAAACACAAATATGAAGTGTGCTTCTAAG
TTTGGAAAGCAGTGGACCCATTAATAATCCTGGCCAACCTCTCGTAGTGGAACTAACATGGGAGAAGGAC
TGTTGGGAGAGTTAAGATGCTGTTAAATCCCGTCCAGGTGTTGATGTCATAAAAATCCTCCGATCAA
AGCTCTGCAGCTGTGCACTCTTCTTCTTATTACTCCGTTTCGAGTCCTTGTGTTGGAGGGGATGGGACT
GTGGGCTGGTCTCGATGCAATTGATGAAATGAAGATTAAGGGACAAGAAAAATACATTCCAGAGGTTG
CAGTCTTACCTCTGGGAACAGGCAACGACCTATCCAACACCCTGGGCTGGGTTACTGGCTATGCTGGAGA
AATCCCGGTTGCACAGGTCTTAAGGAATGTAATGGAAGCAGATGGAATCAAAGTACAGATGGAAGTG
CAGGTAACAAATAAAGGCTACTACAGTTAAGGAAACCAAGGAGTTCACAATGAACAATACTTCTCTA
TTGGACCCGATGCCCTCATGGCTCTCAATTTTCATGCTCATCGTGAAGGCGCCGCTCTGTTTTCCAG
CCGAATCCTTAACAAGGTGTGTTGGATAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR202360 representing NM_001039341
 Red=Cloning site Green=Tags(s)

MEGDQRSGPSAQGLLPDGHILWTLFVLLPVFITLWCSLQSRRLHRRDIFRKSCHKWRDLDLFSHPT
 YCCVCAQHILQGAFDCCGLRVDEGLKKVDRFPCKEIMLKNSRAADAMPHHWIRGNVPLCTYCVICR
 QQCGSQPKLCDYRCVWCQQTVHDECMRGLSKSEKCDFGEFKNLIIPPSYLT SINQMRKDKNTNYEVLASK
 FGKQWTPLIILANSRSGTNMGEGLLGEFKMLLNVPVQVFDVTKTPPIKALQLCTLLPYYSRVRLVCGGDGT
 VGWVLD AIDEMKIKGQEKYIPEVAVLP.LGTGNDLSNTL.GWGTGYAGEIPVAQVLRNVMEADGIKLDRAWKY
 QVTNKGYYSLRKPKEFTMNNYFSIGPDALMALNFHAHREKAPSLFSSRILNKVVCWIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

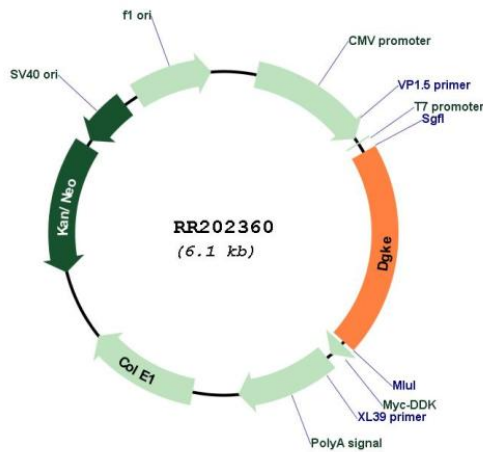
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001039341

ORF Size:	1221 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_001039341.1 , NP_001034430.1
RefSeq Size:	3075 bp
RefSeq ORF:	1224 bp
Locus ID:	497978
Cytogenetics:	10q26
MW:	46.2 kDa