

## Product datasheet for **RR217398**

### Kif19 (NM\_001271202) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kif19 (NM_001271202) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kif19
Synonyms:	Kif19a; RGD1559936
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217398 representing NM_001271202 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGAAGGACAGCGGTGACTCAAAGGACCAGCAACTCATGGTGGCACTTAGGGTCCGGCCTATCAGCGTGT  
CTGAGTTGGAGGAGGGAGCCACCCTCATCGCTCACAAGGTGGATGAGCAGATGGTGGTTCTTATGGACCC  
GATGGAGGACCCTGATGACATTCTGCGGGCACACCGGTCCCGGAGAAGTCATACCTCTTTGACGTGGCC  
TTTGACTTCACCTGCTACCCAGGAGATGGTGTATCAGGCCACCACCAAGAGCCTCATCGAGGGTGTCTAT  
CAGGGTACAACGCCACCGTGTGGTTCCTATGGCCCTACAGGCTGTGGGAAGACCTACACCATGCTGGGCAC  
TGACCACGAGCCAGGCATCTATGTTCCGACCTCAATGACCTGTTCCGGGCCATCGAGGAGACCAGCAAT  
GACATGGAATATGAGGTATCCATGTCCTACCTGGAGATCTACAATGAAATGATCCGGGACCTACTGAACC  
CGGCCCTGGGGTACCTGGAGCTGAGGGAAGACTCCAAGGGGTGATCCAGGTGGCCGGGATCACCGAAGT  
GTCCACCATCAATGCCAAGGAGATCATGCAGCTGCTGATGAAGGGGAACCGGCAGAGGACACAAGAGCCC  
ACAGCTGCCAATCAGACTTCTCCCGCTCCACGCTGTGCTCCAGGTGGCTGTGCGCCAGCGCAACCGGG  
TCAAGAACATCCTCCAGGAGTGCAGGCGGGCCGCTGTTTCATGATTGATCTGGCTGGCTCCGAGCGTGC  
CTCCCAGACGCAGAACCAGGGGCGAGCGCATGAAGGAAGGAGCCACATCAACCGTCTCTGCTGGCCCTG  
GGCAACTGCATCAACGCGCTGAGTGACAAGGGCGGTAATAAATACATCAACTACCGGGACAGCAAACTCA  
CCCGGCTCCTGAAGGACTCGCTAGGGGAAACAGCCGACCGTGTGATTGCCACATCAGTCCAGCGAG  
CACTGCCTTTGAAGAGTCCCGGAACACCCTGACCTACGCGGTGAGCCAAAGAATATTAGGACTCGGGT  
AAGCAGAACCTGCTCAATGTCTCTACACATCGCTCAGTACACCAGCATCATCGCCGACCTGAGAGGCG  
AGATCCAGAGACTCAAGTGAAGATCGACCAGCAGGCTGGGCGGGCCAGGCCCGGGGCAAACTGGACAG  
GGGTGACATCCGTCATATCCAAGCTGAGGTACAGCTACACAGCGGCAGGAAGAGCAGGCGGAGATGGGG  
CAGCTTCGGGAGCAACTCATCAGCGCTTCCACGAGCAGATGGATGTGCGACGGCGCCTGCTGGAGCTGG  
AGAACCAGGCCATGGAAGTCCAGATTGACACCTCCCGTCACTACTACCATCGCCAGCTGGGAGCATGA  
GAAGTACGCGGGCTCTCAAGTGGCGGGAGGAGCGAAGGAAGGATCCTACACCAAAGAAGACAGTGA  
AAGGACTCAGACACAGGAGATGAGCCAGATAACCTGGAGCCACCCGAGGTGGCCTCAGCCCGGAAAAACA



[View online >](#)

TCGCTGCCCTGGTGGGCGAACAGAAGAAGCTGCGCAAGGAGAAGCTGGCTCTGGAGCAGCGCTGTCCGGA  
 GCTGCGCGCGCTGGCCGGCGCCTGGAAGAGACGCTGCCGCGCCGCATCGGCTCCGAGGAGCAGCGCGAG  
 GTGCTCAGCCTGCTGTGCCGCTGCACGAACTGGAGGTGAAAAACACCGAGATGCAGTCGCACGCTCTGC  
 TCCGCGACAGCGCCCTGCGCCACCGCCGCGAGGCCGTGCGCCGCTGGAGCAGCACCGCAGCCTCTGCGA  
 CGAGATCATCCAGGGCCAGCGGCAGATCATCGACGACTACAATCTGGAGATCCCCGCCCTTATGGCTCT  
 GTGTGTTACGTGGCTCAAGGCCTGGTCTTCTGACTGTTGCTCTTGTCTTGGCCCTCTCCCTTCCCAC  
 CATAACACAGGACAGCTCCTTGCCCAAACTACTCCAGCAGGACCACACTGACCCCGGACTCTGACCT  
 GGAGAGCGTGAAGACACTGAGTTCTGAGGCCAGTGCCCCAAAACAACCCCTACCCCACTTGGCACA  
 GACAGCGACTCCTACCACATGTTCAAAGCCAGTCCCAGGGCTGGCAGGTGAAGAGCTCCTCTGTACCTA  
 CTCCGCTCCCATCCAGGTGGGCAGCCTAGTGACCAGGAGGCCACCACAGGACAGCCTGGGCAGCCA  
 GATCAACTCTTCCCAGACAGCAGTGAACCTGTGAGAGATCCTTCTGTCCATAAAGAGAGGAAAGAG  
 ATCCTAACCCGGACCAAGTGTATCTCCGTGAAGGCCGCCAGCGGCGCTCCCGGCTCTGGGAACGGAAG  
 GCGCCACCTGCTGGCACCTGCCACAGAGCGCAGCAGCCTGTCCCTGCACTCGTTGAGCGAAGCTGATGA  
 CGTTCGTCACCGGGTCCACTGGCCTGCAAGCGGCCGCCAGTCCCACACTGCAGCATGCTATCAGCGAG  
 GACAATCTATAGCAGCACAGGCGAAGGCCGCCAGGGCGGTAGGACCTCGAGGTGATGGCTCTGGGC  
 CCTGGGTGCGTGGCCAAAAGAAATGCCTCAGCAAAAAAAGGGAGGAGTCACTGGAGGCCAAGAGGAGGAA  
 GCGGAGGTCTCGGTCTTCGAGGTACGGGACAAGGGCTGTCCCGTTCGAAGACACACCTGCTGGGGCCG  
 CGTCCCTCGGAGGGCGTTTCAGACCGCAGGATGCCAGCGTGTGGACGGCCATCCCTGGTGTGAGGCATT  
 TGGGAAAAGTCTCTGCTCTGGCCAAGGTCAAATTTCTCCAAACCAGAATACAGGCTCTGAAAACCC  
 TTCACCCTTCTGTCCCTCCAACCAAGCTGGTGTTCCTCGTAGAGCTACGCGTGGGCCAACCTGCCT  
 CATGGCTCAAGCACCTTTGGCAAAGATGGCCGCTCCAACATAAC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR217398 representing NM\_001271202  
 Red=Cloning site Green=Tags(s)

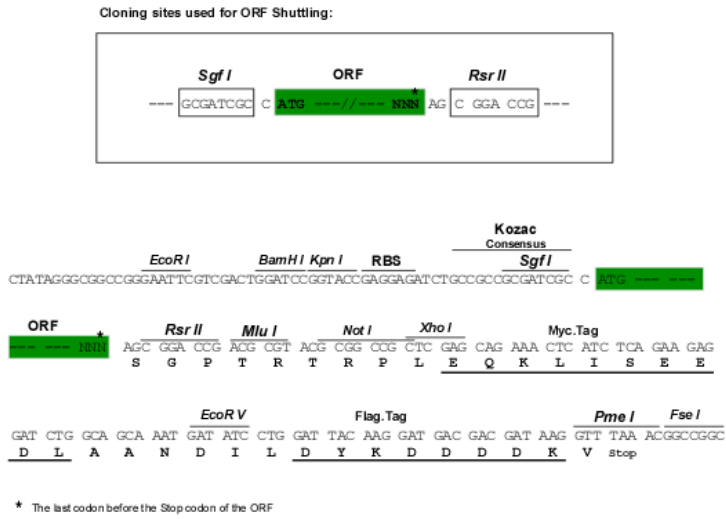
MKDSGSKDQQLMVALRVRPISVSELEEGATLIAHKVDEQMVLMDPMDPDDILRAHRSREKSYLFDVA  
 FDFATQEMVYQATTKSLIEGVISGYNATVFAYGPTGCGKTYTMLGTDHEPGIYVRTLNDLFRAIEETSN  
 DMEYEVMSYLEIYNEMIRDLLNPALGYLELREDSKGVIVAGITEVSTINAKEIMQLLMKGNRQRTQEP  
 TAANQTSRSHAVLQVAVRQRNRVKNILQEVQRGLFMIDLAGSERASQTQNRGQRMKEGAHINRSLAL  
 GNCINALSDKGGNKYINYRDSKLRLLKDSLGGNSRTVMIAHISPASTAFEEsrNTLYAGRAKIRTRV  
 KQNLLNVSYHIAQYTSIIADLRGEIQRLKCKIDQQAGRGQARGKLDRGDIRHIQAEVQLHSGQEEQAEMG  
 QLREQLISAFHEQMDVRRRLLELENQAMEVQIDTSRHLLTIAWEHEKSRRALKWREERRKESYTKEDSE  
 KSDSDTGDPEPNLEPPEVASARENIAALVGEQKLRKEKLALEQRCRELRARGRRLEETLPRRIGSEEQRE  
 VLSLLCRVHELEVENTEMQSHALLRDSALRHRREAVRRLEQHRSLCDEIIQGQRQIIDDYNLEIPRPYGS  
 VLLRGRPGLLTVRSCLCPSPFPYPTQDSSLPKITPAGTTLTPDSDLESVKTLSSEAQCPQNTLPLPLGT  
 DSDSYHMFKASPRAWQVKSSSVPTPPPIQVGS�VTQEAPPQDSLGSQINSSPDSSENLSEILLSHKERKE  
 ILTRTKCISVKAQRSRALGTEGRHLLAPATERSLHLSEADDVPPGPLACKRPPSPTLQHAISE  
 DNLSSTGEGPARAVGPRGDGSPWVRGQKCLSKKREESLEAKRRKRSRSFEVTGQGLSRKTHLLGP  
 RPSEGVSRRMPACGRPSGVRHLGKVSPLAKVKFPPNQNTGSGNPSPLLVPNSQAGVSRRATRGPNL  
 HGSSTFGKDGRLQHN

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

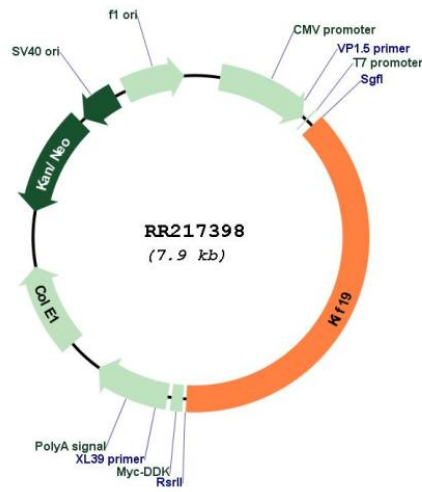
**Restriction Sites:**

Sgfl-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001271202  
 ORF Size: 2985 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001271202.1</a> , <a href="#">NP_001258131.1</a>
<b>RefSeq Size:</b>	3472 bp
<b>RefSeq ORF:</b>	2988 bp
<b>Locus ID:</b>	303659
<b>Cytogenetics:</b>	10q32.1
<b>MW:</b>	111.1 kDa