

## Product datasheet for **RR212018**

### **Kif12 (NM\_001012102) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kif12 (NM_001012102) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kif12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RR212018 representing NM\_001012102  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGGAACGTGGGTCTCCCGATGGGGACCTGCACGGAACCTGGAGCAAGGGCCAGAAGGATCAGAAA  
CCCTATTCAAGTGGTGCCTCAGGGTGCCTCCATGAGCACAGTGGAGCTGCGTAGAGGGGAGCAGAGTGC  
ACTGCACTGCTCGGGGACCCGGACGCTGCAGGTGAGCCCTCCGGGTGGGGCCCCGACGTGGCGTTCGCG  
TTCGGTGCCTACTGGACGGGGCGCGCACAGGAGGACGTGTTAGAGCTTGGCGTGTGAAGCGCCTGG  
GCGAGCTGGCGTGCCTGGTTTCTCCTGCACCGTCTTCACTTTTGGCCAGACTGGTTCGGGAAAACCTA  
CACTCTGACTGGACCTCCTCCTCAGGCAGAAGGGGTGCCCGTCCCCCAGCCTTGTGGCATTATGCAG  
AGGACCTTCACTGGCTATTAGATCGCATGCAGCACCTGGATTCTCCAGTCACTCCGAGCCTCCTACC  
TGGAGATCTACAATGAGCAGGTTGAGGACTTGTGAGTCAAGGGTCTCCCGGCCCTGCCTGTTAGGTG  
GTCCAAGGCACGAGGCTTCTATGTGGAACAGCTTCGGTTGGTGGAGTGTGGCAGTCTGGAAGCTTTGATG  
GAACTATTGCAGATGGGTCTCAGCCGTCGCCGGAGCTCCTCGCATACCTGAACCAAGGCCTCCAGCAGAA  
GCCATGCCCTGCTCACACTCCACATCAGCCGCCAACTTCTCAGCAGGTACCTCCTGTGGACCTTGGGGA  
GCCCCCTGTTGGAGGAAAGCTGTGCTTCGTGGACCTTGCAGGCAGTGAGAAGGTGGCAGCCACGGGGTCC  
AGAGGGCAGCTGATGCTTGGGCAATAGCATTAAACCGCAGCCTATTGGCACTGGGCCACTGCATCTCCC  
TGCTGTTGGACCCACAGAGGAAGCAGAGCCACATCCCCTTCCGGGACAGCAAGCTCACCAAAATGCTGGC  
AGACTCACTTGGGGCCGTGGGGTACGCTCATGGTTGCCTGCGTATCCCCTTACGACAGTGCCTTCCC  
GAGACCTCAGCACTCTGCGATACGCAAGCCGAGCTCAGCGGATCACACCCGGCCACAGGGTCCCAAGT  
CCCCTGCAGTAAAGCCACCCAGCAAGTAGAGGCGGAGCTGCTACAGCTCCAAGAGGAGAATCGTTGCCT  
GCGGCTCCAGTTGGATCAAATGTACACTAAGGCACCGAGAGTCCACGGAGCCCGGTGGCCTGGGCCAG  
CGGAACCTCTATGGGATGCTGCAGGAGTTCATGCTGGAGAATGAGAAGCTCAGGAAGGAAATGAGACAGC  
TTCGGAGTAGCCGGGACCTGGCCAGGCAGAGCAGCATGTCTGGCCAGCAGATCCATGAACTGGAGAG  
GCGCCTCCTTTTGGCTTGTCCCTTCCCCAGCAGACCTTGCACCGTGTGCCCTGCAGGATGACTCCA  
GCTGCCTCCTGCCATGTACTGCCACCCCTCTGCTACTGCTATCACCTCTGTCTCTGTGCCGAGTGTCT  
TGACCCACTGGGCTGCCATGGAGAGAATGCCATGCACCACAGGTGCTGGAGCCTGAGGCCCCAGGCCA  
CATATCTCCATCTGTGCGGCCCCACCCTGGGCACCTCCAACAAGCCAGGCTCTGCCAAGCCCCACAA  
GAGAGGAACCATAGTACTGGACACAGACAGAGTCTGCGCAGAGATGCTGATGGGAGAGGAAGTGTAC  
CCTCTGCACCACCCTGCCTGCAGGGCCCTCAAACATGCCACAAGTGTAAAGAGGAGGATCTGGGATCCC  
AAACCAGACCCCAAGACTGGAAACCTCACACACCAGATCAACAGCTCCCTGAACCCAGCCAGAGACAA  
CCACAGCCAGCGAGGACACACAGAGCCCTGGCCAAGGCCTCTCTTTAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR212018 representing NM\_001012102  
 Red=Cloning site Green=Tags(s)

MEERGS PDGDPARNLEQGPEGSETPIQVVLVRPMSTVELRRGEQSALHCSGTRTLQVSPPGGGPDVAFR  
 FGAVLDGARTQEDVFRACGVKRLGELALRGF SCTVFTFGQTGSGKTYTLTGPPPQAEQVPPVPSLAGIMQ  
 RTFTWL LDRMQHLDSPVTLRASYLEIYNEQVQDLLSQGSPRPLPVRWSKARGFYVEQLRLVECGSLEALM  
 ELLQMGLSRRRSSHTLNQASSRSHALLTLHISRPTSQQVPPVDLGEPPVGGKLCFVDLAGSEKVAATGS  
 RGQLMLEANSINRSL LALGHICISLLLDPQRKQSHIPFRD SKLTKLLADSLGGRGVTLMVACVSPSAQCLP  
 ETLSTLRYASRAQRITTRPQGPKSPAVKPPQQVEAELLQEQEENRCLRLQLDQMYTKAPRVHGARVAWAQ  
 RNLYGMLQEFMLENEKLRKEMRQLRSSRDLAQAEQHVLAQQIHELERRLLACSLPQQTSATVPCRMTP  
 AASCHVLPPLCYCYHLCPLCRVSLTHWACPWRECHAPQVLEPEAPGHISPSVRPPPWPPTSPGSAKPPQ  
 ERNHS DWTQTRVLAEMLMGEEVVP SAPP L P A G P S N M P Q V L R G G S G I P N Q T P R L E T L T H Q I N S S L N P S Q R Q  
 P Q P S E D T Q S P G Q L S S Y

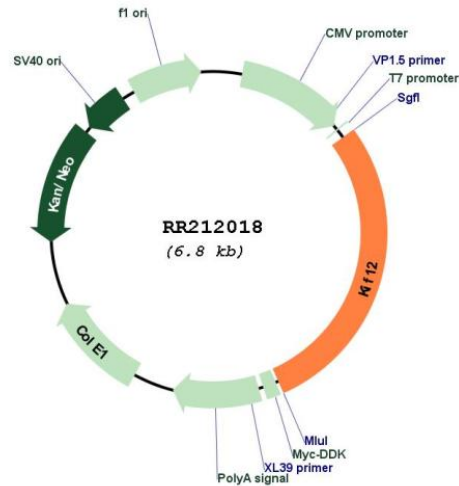
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001012102

**ORF Size:** 1941 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:**

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\_001012102.2, NP\_001012102.2  
RefSeq Size: 2228 bp  
RefSeq ORF: 1944 bp  
Locus ID: 313254  
Cytogenetics: 5q24  
MW: 71 kDa