

Product datasheet for **RR200181**

Kif2c (NM_001085369) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif2c (NM_001085369) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kif2c
Synonyms:	KRP2; MCAK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR200181 representing NM_001085369
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTCGCTTCACGCACGATTGTTTCCCGGTCTCTCCATCAACATTCAACGCAGCAATGGGTTAATTC
 ACAGCGCCAATATAAGCACGGTGAACCTTGAGAAATCCTGTGTTTCAGTGGAATGGACCGAAGGAGGTAC
 CACAAAGGGCAAAGAGATTGACATTGACGATGTGGCTGCCATAAACCCAGAGCTTGACAGCTTCTTCCC
 TTACGACCGAAGGACAGTCTGCCACTGCAGGAGAACGTAACCATCCCAAAGCAAAAACGCAAGTCCGTCA
 ACTCCAAAATTCCAGGTCCAAAAGAAGGCCCTTCGAAGTCGTTCCACTCGCATATCCACTGTCTCCGAAGT
 TCGAATCCCTGCTCAGGAGAATGAAATGGAGGTGGAGCTGCCTGTGTCCAAACTCTCGCAAGCCATTT
 CCCATTACAGCCACCCTAGGCCCTCTGCTCCACAGTGACAGAATTACCGTTGTTGATGATCAGCGAGG
 AGGCAGAAGAGCAAGCCCACTCCACCCGAAGCACCTCTTCTGCAAACCTGGGAATTCAGTTCGGAGGAA
 ATCATGTATTGTGAAGGAGATGGAGAAATGAAGAACAAGCGAGAAGAGAAGAGGGCCCAAGTTCGGAG
 ATAAGAATAAAGCGAGCTCAGGAATATGACAACAGCTTTCCAAACTGGGAATTTGCCCGGATGATTAAGG
 AGTTTCGGGTTACTATGGACTGTAATCCTCTCACTGTGACAGACCCTATTGAAGAACAAGGATCTGTGT
 CTGTGTGACGAAACGCCCACTGAATAAACAAGAACTGGCCAAGAAAGAAATCGATGTGATTTCTGTTCCC
 AGCAAGTGTCTCCTCCTGGTGATGAACCAAGCTGAAAGTGGACTTAACGAAGTACCTGGAGAACCAGG
 CTTTTTGCTTCGACTTTGCCTTTGATGAACTGCTTCCAATGAGGTGCTTACAGGTTACAGCAAGGCC
 ACTGGTACAGACGATTTTGAAGGGGGGAAAGCAACGTGCTTTGCCTATGGGCAGACAGGCAGTGGAAAG
 ACACACACAATGGGTGGAGACCTGTCTGGTAAAAGTCAGAATGCATCTAAAGGGATCTACGAATGGCTT
 CCCGGGATGTCTCCTTCTGAAGAATCAGCCTCGCTACCGGAGCTTAAACCTGGAAGTTTATGTGACGTT
 CTTGAGATCTACAATGGGAAGGTATTTGATCTGCTCAACAAGAAGGCCAAGTTACGTGTGCTGGAGGAC
 AGCAAGCAGCAGGTGCAGGTTGTGGGGCTGCAGGAGTACCTGGTTACCTGTGCCGATGATGTCATCAAGA
 TGATCAACATGGGCAGCGCCTGCAGGACTTCGGGACAAACATTTGCCAACTCCAATTCTCCCGCTCCCA
 CGCCTGCTTCAGATTCTTCTTCGAGCTAAAGGGAGATTACACGGCAAATTTCTTTGGTGGATCTGGCA
 GGGAAATGAACGAGGAGCCGACACGTCTAGTGCTGACCGACAGACTCGCATGGAGGGTGCAGAAATTAACA
 AGTCTCTCCTGGCTCTGAAGGAATGCATCCGGGCGCTGGGACAGAACAAGGCTCATACCCATTCCGTGA
 GAGCAAGCTGACTCAGGTGCTGAGGACTCCTTATTGGGAGAACTCGAGGACATGCATGATCGCCATG
 ATCTACCGGGGATAAGCTCCTGTGAATACACTTTAAACACACTGAGATACGCAGACAGAGTCAAGGAGC
 TGAGCCCCCACAGCGGGCCAGTGGAGAACAGGCAGTCCAGATGGAGACAGAGGAGATGGACGCCAGCTC
 TCATGGGGCCTCTCTGACAGGAATGAAGAGGAGGAGCTGTCTCCAGATGTCCAGCTTTAATGAAGCC
 ATGACTCAGATCAGGGAGCTGGAAGAGAGGGCCATGGAAGAGCTCAGAGAGATCATACAGCAAGGACCAA
 GCTGGCTTGAGCTCTCTGAGATGACGGATCAGCCAGACTATGACTTGGAGACCTTCGTGAACAAGGCAGA
 ATCTGCCCTGACACAGCAGGCTAAGCAGGCTAAGCACTTCTCAGCCCTTCAAGAAGTCATCAAGGCCCTA
 CGCCTGGCCATGCAACTGGAAGAACAGGCTAGCAACAATAAACAGCAAGAAACGGCACCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200181 representing NM_001085369
 Red=Cloning site Green=Tags(s)

MESLHARLPGLSINIQRNGLIHSANISTVNLEKSCVSVEWTEGGTTKGKEIDDDVAAINPELVQLLP
 LRPKDSLPLQENVITPKQKRKSVNSKIPGPKGLRSRSTRISTVSEVRIPAQENEMEVELPVSTNSRKPF
 PIHSHPRPSCSTVTELPLLMISEEAEQAHSTRSTSSANPGNSVRRKSCIVKEMEKMKNKREEKRAQNSE
 IRIKRAQEYDNSFPNWEFARMIKEFRVTMDCNPLTVTDPIEEHRCVCVRKRPLNKQELAKKEIDVISVP
 SKCLLLVHEPKLKVDLTKYLENQAFCFDFAFDETASNEVYRFTARPLVQTI FEGGKATCFAYGQTGSGK
 THTMGDDL SGKSQNASGIYAMASRDVFLKNQPRYRSLNLEVYVTF FEIYNGKVFDDL NKKAKLRVLED
 SKQQVQVVLQEYLVT CADDVIKMINMGSACRTSGQTFANSNSSRSHACFQILLRAKGR LHGKFSLVDLA
 GNERGADTSSADRQTRMEGAEINKSLLALKECIRALGQNK AHTPFRESKLTQVLRDSF IGENSRTCMIAM
 ISPGISSCEYTLNTRYADRVKELSPHSGPSGEQAVQMETEEMDASSHGASLTGNEEEELSSQMSSFNEA
 MTQIRELEERAMEELREIIQQGPSWLELSEMTDQPDYDLETFVNKAESALTQQAQAKHFSALQEVIKAL
 RLAMQLEEQASKQINSKKRHQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001085369

ORF Size: 2163 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_001085369.2, NP_001078838.1

RefSeq Size: 2765 bp

RefSeq ORF: 2166 bp

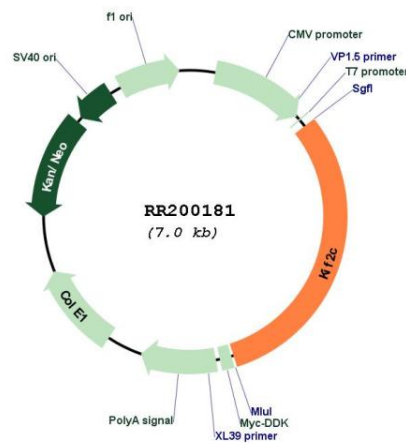
Locus ID: 171529

Cytogenetics: 5q36

MW: 81 kDa

Gene Summary: a molecular motor protein; may have a role in meiosis [RGD, Feb 2006]

Product images:



Circular map for RR200181