

## Product datasheet for **RN200182**

### **Kif2c (NM\_134472) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kif2c (NM_134472) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kif2c
Synonyms:	KRP2; MCAK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN200182 representing NM\_134472  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATTGACATTGACGATGTGGCTGCCATAAACCCAGAGCTTGTACAGCTTCTTCCCTTACGACCGAAGG  
 ACAGTCTGCCACTGCAGGAGAACGTAACCATCCCAAAGCAAAAACGCAAGTCCGTCAACTCCAAAATTCC  
 AGGTCCAAAAGAAGGCCTTCAAGTTCGTTCCACTCGCATATCCACTGTCTCCGAAGTTCGAATCCCTGT  
 CAGGAGAAATGAAATGGAGGTGGAGCTGCCTGTGTCCACAACTCTCGCAAGCCATTTCCATTACAGCC  
 ACCCTAGGCCCTCCTGCTCCACAGTGACAGAATTACCGTTGTTGATGATCAGCGAGGAGGAGAAGAGCA  
 AGCCCACTCCACCCGAAGCACCTCTTCTGCAAACCTGGGAATTCAGTTCGGAGGAAATCATGTATTGTG  
 AAGGAGATGGAGAAAATGAAGAACAAGCGAGAAGAGAAGAGGGCCAGAAGTCCGGAGATAAGAATAAAGC  
 GAGCTCAGGAATATGACAACAGCTTTCCAACTGGGAATTTGCCCGGATGATTAAGGAGTTTCGGGTTAC  
 TATGGACTGTAATCCTCTCACTGTGACAGACCCTATTGAAGAACAAGGATCTGTGTCTGTGTCAGGAAA  
 CGCCCACTGAATAACAAGAAGTGGCCAAGAAAGAAATCGATGTGATTTCTGTTCCAGCAAGTGTCTCC  
 TCTGGTGCATGAACCAAGCTGAAAGTGGACTTAACGAAGTACCTGGAGAACCAGGCTTTTTGCTTCGA  
 CTTTGCCTTTGATGAAACTGCTTCCAATGAGGTCGTCTACAGGTTACAGCAAGGCCACTGGTACAGACG  
 ATTTTTGAAGGGGGAAAGCAACGTGCTTTGCCTATGGGCAGACAGGCAGTGGAAAGACACACAATGG  
 GTGGAGACCTGTCTGGTAAAAGTCAAGATGCATCTAAAGGATCTACGCAATGGCTTCCCGGGATGTCTT  
 CCTTCTGAAGAATCAGCCTCGCTACCGGAGCTTAAACCTGGAAGTTTATGTGACGTTCTTCGAGACTAC  
 AATGGGAAGGTATTTGATCTGCTCAACAAGAAGCCAAGTTACGTGTGCTGGAGGACAGCAAGCAGCAGG  
 TGCAGTTGTGGGGCTGCAGGAGTACCTGGTTACCTGTGCCGATGATGTCATCAAGATGATCAACATGGG  
 CAGCGCCTGCAGGACTTCGGGACAACATTTGCCAACTCCAATTCCTCCCGCTCCACGCCTGCTTCCAG  
 ATTCTTCTTCGAGCTAAAGGGAGATTACACGGCAAATTCCTTTGGTGGATCTGGCAGGGAATGAACGAG  
 GAGCCGACACGTCTAGTCTGACCGACAGACTCGCATGGAGGGTGCAGAAATTAACAAGTCTCTCTGGC  
 TCTGAAGGAATGCATCCGGGCGCTGGGACAGAACAAGGCTCATACCCCATTCGAGAGCAAGCTGACT  
 CAGGTGCTGAGGGACTCCTTCATTGGGGAGAAGTCCAGGACATGCATGATCGCCATGATCTACCGGGGA  
 TAAGCTCTGTGAATACACTTTAAACACTGAGATACGCAGACAGAGTCAAGGAGCTGAGCCCCACAG  
 CGGGCCCAAGTGGAGAACAGGCAGTCCAGATGGAGACAGAGGAGATGGACGCCAGCTCTCATGGGCTCT  
 CTGACAGGCAATGAAGAGGAGGAGCTGTCTCCAGATGTCCAGCTTTAATGAAGCCATGACTCAGATCA  
 GGGAGCTGGAAGAGAGGGCCATGGAAGAGCTCAGAGAGATCATACAGCAAGGACCAAGCTGGCTTGAGCT  
 CTCTGAGATGACGGATCAGCCAGACTATGACTTGGAGACCTTCGTGAACAAGGCAGAATCTGCCCTGACA  
 CAGCAGGCTAAGCAGGCTAAGCACTTCTCAGCCCTTCAAGAAGTCATCAAGGCCCTACGCCTGGCCATGC  
 AACTGGAAGAACAGGCTAGCAAACAAATAAACAGCAAGAAACGGCACCAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_134472
- Insert Size:** 2013 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_134472.4](#), [NP\\_608302.2](#)

**RefSeq Size:** 2650 bp

**RefSeq ORF:** 2013 bp

**Locus ID:** 171529

**Cytogenetics:** 5q36

**Gene Summary:** a molecular motor protein; may have a role in meiosis [RGD, Feb 2006]  
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.