

## Product datasheet for **RN200181**

### **Kif2c (NM\_001085369) Rat Untagged Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Kif2c (NM_001085369) 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:** >RN200181 representing NM\_001085369  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGTCGCTTACGCACGATTGTTCCCGGTCTCTCCATCAACATTCAACGCAGCAATGGGTTAATTC  
 ACAGCGCCAATATAAGCACGGTGAACCTGGAGAAATCCTGTGTTTCAGTGAATGGACCGAAGGAGGTAC  
 CACAAAGGGCAAAGAGATTGACATTGACGATGTGGCTGCCATAAACCCAGAGCTGTACAGCTTCTTCCC  
 TTACGACCGAAGGACAGTCTGCCACTGCAGGAGAACGTAACCATCCCAAAGCAAAAACGCAAGTCCGTCA  
 ACTCCAAAATTCAGGTCCAAAAGAAGGCCCTCGAAGTCGTTCCACTCGCATATCCACTGTCTCCGAAGT  
 TCGAATCCCTGCTCAGGAGAATGAAATGGAGGTGGAGCTGCCTGTGTCCACAACTCTCGCAAGCCATTT  
 CCCATTACAGCCACCCTAGGCCCTCTGCTCCACAGTGACAGAATTACCGTTGTTGATGATCAGCGAGG  
 AGGCAGAAGCAAGCCACTCCACCCGAAGCACCTCTTCTGCAAACCTGGGAATTCAGTTCGGAGGAA  
 ATCATGTATTGTGAAGGAGATGGAGAAAATGAAGAACAAGCGAGAAGAGAAGAGGGCCAGAACTCGGAG  
 ATAAGAATAAAGCGAGCTCAGGAATATGACAACAGCTTTCCAAACCTGGGAATTTGCCCGGATGATTAAGG  
 AGTTTTCGGGTTACTATGGACTGTAACTCTCACTGTGACAGACCCTATTGAAGAACACAGGATCTGTGT  
 CTGTGTGACGAAACGCCACTGAATAAACAAAGAACTGGCCAAGAAAGAAATCGATGTGATTTCTGTTCCC  
 AGCAAGTGTCTCCTCCTGGTGCATGAACCAAGCTGAAAGTGGACTTAACGAAGTACCTGGAGAACCAGG  
 CTTTTTGCTTCGACTTTGCCTTTGATGAACTGCTTCCAATGAGGTGCTTACAGGTTACAGCAAGGCC  
 ACTGGTACAGACGATTTTGAAGGGGGAAAGCAACGTGCTTTGCCTATGGGCAGACAGGCAAGTGGAAAG  
 ACACACACAATGGGTGGAGACCTGTCTGGTAAAAGTCAAGTGCATCTAAAGGGATCTACGCAATGGCTT  
 CCCGGGATGTCTCCTTCTGAAGAACTCAGCTCGCTACCGGAGCTTAAACCTGGAAGTTTATGTGACGTT  
 CTTTCGAGATCTACAATGGGAAGGATTTTGATCTGCTCAACAAGAAGGCCAAGTTACGTGTGCTGGAGGAC  
 AGCAAGCAGCAGGTGCAGGTTGTGGGGTGCAGGAGTACCTGGTTACCTGTGCCGATGATGTCATCAAGA  
 TGATCAACATGGGCAGCGCTGCAGGACTTCGGGACAAACATTTGCCAACTCCAATTCTCCCGCTCCCA  
 CGCCTGCTTCAGATTCTTCTTCGAGCTAAAGGGAGATTACACGGCAAATTTCTTTGGTGGATCTGGCA  
 GGGAAATGAACGAGGAGCCGACAGTCTAGTGTGACCGACAGACTCGCATGGAGGTTGCAGAAATTAACA  
 AGTCTCTCCTGGCTCTGAAGGAATGCATCCGGGCGCTGGGACAGAACAAGGCTCATAACCCATTCCGTGA  
 GAGCAAGCTGACTCAGGTGCTGAGGACTCCTTATTGGGGAGAACTCGAGGACATGCATGATCGCCATG  
 ATCTCACCGGGGATAAGCTCCTGTGAATACACTTAAACACACTGAGATACGCAGACAGAGTCAAGGAGC  
 TGAGCCCCACAGCGGGCCAGTGGAGAACAGGCAGTCCAGATGGAGACAGAGGAGATGGACGCCAGCTC  
 TCATGGGGCCTCTCTGACAGGCAATGAAGAGGAGGAGCTGTCCTCCAGATGTCCAGCTTAAATGAAGCC  
 ATGACTCAGATCAGGGAGCTGGAAGAGAGGGCCATGGAAGAGCTCAGAGAGATCATAACAGCAAGGACCA  
 GCTGGCTTGAGCTCTCTGAGATGACGGATCAGCCAGACTATGACTTGGAGACCTTCGTGAACAAGGCAGA  
 ATCTGCCCTGACACAGCAGGCTAAGCAGGCTAAGCACTTCTCAGCCCTTCAAGAAGTCAAGGCCCTA  
 CGCCTGGCCATGCAACTGGAAGAACAGGCTAGCAAACAATAAACAGCAAGAAACGGCACCAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001085369  
**Insert Size:** 2166 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).

|                               |   |
|-------------------------------|---|
| <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>                | <u>NM_001085369.2</u> , <u>NP_001078838.1</u>   |
| <b>RefSeq Size:</b>           | 2765 bp   |
| <b>RefSeq ORF:</b>            | 2166 bp   |
| <b>Locus ID:</b>              | 171529  |
| <b>Cytogenetics:</b>          | 5q36  |
| <b>Gene Summary:</b>          | a molecular motor protein; may have a role in meiosis [RGD, Feb 2006]<br>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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.  |