

## Product datasheet for **RN204217**

### **Kif18b (NM\_001039019) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kif18b (NM_001039019) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kif18b
Synonyms:	RGD1310360
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204217 representing NM\_001039019  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTGATGGCTGTGGAAGACAGCGTGGTTCGGGTGGTCGTGCGGGTGGAGCCTCCACCCCTAAGGAAC  
 TAGAGAGTCAGCGTCGGCTGTGATTACAGTGGTAGATGAGCGGATGCTGGTGTGGACCCGAGGAGTG  
 TGATGGGGGATTTCTGGCCATAAATGGAGTGGCTCCCTCAGTGGCCCCAAGAAGAAGGGCAAAGACCTG  
 ACATTTGTCTTTGACCGGTCTTCAGTGGGTGGCCACTCAACAGGATGTGTTCCAGCACACTACACACA  
 ACATCCTTGACAGCTTTCTCCAGGGTTACAACGCTCAGTGTTCCTATGGAGCCACTGGGGCTGGGAA  
 GACACACACCATGCTGGGAAGGGAGGGAGACCCTGGCATCATGTACCTGACCACCATGGAAGTGTACCGG  
 CGTCTTGAAGCCTGCCAGGAAGAAAAGCAGTTCGAGGTGCTCATCAGTTACCTGGAGGTGTATAACGAGC  
 AGATCTATGACCTCCTGGAGCCAAAGGACCCCTCACCATCCGAGAGGACCCTGATAAGGGCGTTGTGGT  
 ACCGGGACTTTCTTTCCACCAGCCAGCCTCAGCCCAACAGCTACTCGAGATGCTGACCAGAGGCAACTGC  
 AGCCGCACACAGACCCACAGATGCCAACGCCACATCTCCCGTCTCACGCCATTTTCCAGATCTTTG  
 TGAAGCAGCAGGACCGGGTTCAGGACTGACCCAGGCCCTTCGAGTAGCCAAGATGAGCTTGATTGACCT  
 GGCTGGCTCAGAGCGGGCATCTAGCACCATGCCAAAGGAGAGCGTCTGCGGGAGGGTGCCAACATCAAC  
 CGCTCTCTGTTAGCACTCATAATGTCCTCAATGCCCTGGCTGATGCAAAGGGCCGAAGTCTCATGTAC  
 CCTACCGAGACAGCAAATGACCCGTCTGCTCAAGGACTCCATTGGGGCAACTGCCGCACTGTGATGAT  
 TGCAGCGGTGAGCCCTCCAGCCTGACCTATGAGGATACTTACAACCCCTCAAATACGCTGACCGGGCC  
 AAGGAGATCAGACTCACGCTGAAGAGCAACGTGATCAGCCTGGACCATCACATCAGTCAATGACCCCA  
 TCTGCCAGCAGCTCCAGGCTGAGGTGGCTGCTCTGAGAGAGAAGCTCCAGACATATGAGGCCCA  
 GGCCTTGAACAGCGTTCTCCACAGCCCCCAAGTTGAGCATACCGCAAACCTTTCTAGCTCCCGTTA  
 CAGCCTGGGCACTCCAGCCAGTCTGCGCCCCAGAGTTCATGCAAAGTATGACGCTCCTCAAGAGGAGA  
 GCCTGGGAACAGACTCTCAGGGACAGGAACTGTGGAAGAAAATGCCCCAGAGCAGGAGCAGCCTCCCA  
 GGCAAACAGTTTCCAACCCAGATGCCAGAGCCGAACCTGCCAGGGTCTCCTTGCCAACGTGACAGGCA  
 AAGCAAGGCATGAACCAACTCACTACAGAGACTGGATGACAGCAGTCTAAACAGTTGGCCCTCCGGG  
 TGCTACGCTAGCCAGCGACAGTACTCCTGCTGACGGCGCCAATCTCCTGACTCCTGACATGATCTC  
 AGAGTTTGAGACCCTGCAGCAGTGGTGTGTTGAGGAGAGCATGGAGCACGGGGCTGAGAGCCCCAGGTCT  
 CCTGGTCTGGCCAGGGGATCCCGTAGCTCAGGAGCTGTGTTACAGTCTAAGTCTTACGGTACTGTG  
 GTCAGTGACCCGACCATGGCAAAGCAACTGAGTGGCCTCACACACACTCTGGGGATCCCACTGGCACC  
 TGAATGACCTCAGATAAGACGTCCCAAAGCCTACCAAGGAGAAGAAAAGGAACTGAACCTCGAAGAG  
 CCAGGCAGCCTACCAGCCCCAGTGTGGAGATGAAGCGCCAACGCCAGTCTTCTCCCTGCCTAAGGA  
 GGGGCTCCCTGCCTAAGATCCAGCCATCCTCTGAGCCAGAACTCCCAAAGGAGAGAGGGCTCTTCTCC  
 CTCCCCCTCCTCCCGAGTCTGCCAGCCACAGTCAATAAAGCCGGGTACCCCTGGGCCCTTCTGCCTTA  
 CAGAACTGTTCCACTCCTCTGACCCTACCACTCGTGACCTCAATACCACCTTTAATGTCTCTGAGGAAT  
 CCCCCTCAAACCCAGCTTCCCGAACCTATTGACTGGGAGAAAGTTTCCCGGAGCTGAACGGCACAGA  
 CCAGCCGTTCTCCCAAGTGCACCTGTCTTCAATTCACCACGAAAGGCCGCAAGCCTTCTTCTTACA  
 ACCACTGCCAGCAAGAAGAGGCGCACTGTGAGGCCCTCAGTCTCCCGAGGCCGCACTGCATTGCCCGCC  
 TCCCCAGTAGCACCTGAAGAAGCCAGACCCTTACAGTCCCAGATCCACCCTTGAGCCTCCACTG  
 CCTTGATGACCATCAAGTCATAAGGGACTGA

**ACGGCT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001039019  
**Insert Size:** 2481 bp

<b>OTI Disclaimer:</b>	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><a href="#">NM_001039019.1</a></u> , <u><a href="#">NP_001034108.1</a></u>
<b>RefSeq Size:</b>	3318 bp
<b>RefSeq ORF:</b>	2481 bp
<b>Locus ID:</b>	303575
<b>UniProt ID:</b>	<u><a href="#">Q4KLL9</a></u>
<b>Cytogenetics:</b>	10q32.1
<b>Gene Summary:</b>	In complex with KIF2C, constitutes the major microtubule plus-end depolymerizing activity in mitotic cells. Its major role may be to transport KIF2C and/or MAPRE1 along microtubules (By similarity).[UniProtKB/Swiss-Prot Function]