

## Product datasheet for **MC220267**

### **Kif2b (NM\_028547) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kif2b (NM_028547) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kif2b
Synonyms:	1700063D03Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220267 representing NM\_028547  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCAGCCAGTTCTGCCTTCTCTGGCCCCACGCCCTCTCACCCCTTAACCTCTGAAATCCCCTTCA  
 CAGACTTCCAGGTTGGCATCTGTGTGGCAATCCAGCGCAGTGACAAACGATTACCTGGCTGTGGTCAC  
 AGAGATCAACAGAGAAAACTCCTGGGTCACAGTAGAGTGGGTTGAGAAAGGAGTCAAAAAAGGAAAGAA  
 ATCGAACTGGAGACTGTACTTCTGTTGAAATCCGGCTCTGGCCTCTTTGAACACCAACGGTCACGTAGGC  
 CCCTGCGCCAGTGTCTGTAGTACCATCTACTGCCATTGGAGACCAGCGTACAGCCACCAAGTGGATTGC  
 GATGATCCACACAGAAATGAAACACCCTCAGGGGACAGCCAAACCCTGATGATCCCCAGCAACCCTTGT  
 CTGATGAAGCGGAAAAATCCCCCTGCCTACGGGAAATGAAAAGCTGCAGAAAGCAGAGAGAGAAGCGCC  
 GCCGACTGCAGCTAGAGATCCGAGCTAGACGAGCCCTTGACATCAACACTGGAAATCCGAACTTCGAGAC  
 TATGCGCATGATTGAGGAGTATCGCAGGCGTCTAGATAGCAGCAAGATGTCCAGCCTGGAGCCCCAGAA  
 GACCACCGGATCTGTGTGTGTGTGAGAAAGCGCCCTTAATCAGAGAGAGACGACGATGAAGGACCTCG  
 ATATCATCACTATTCCCTCGCACAAATGTAGTCATGGTCCACGAGTCTAAACAAAAGGTGGACCTGACCCG  
 CTACTTGGAAAACCAGACCTTCTGTTTTGACCAGCCTTCGACGCAAGGCATCCAATGAACTAGTTTAC  
 CAGTTCACCGCCAGGCCCTTGTGGAGTCCATCTCCGAAAGGGCATGGCAACTTGCTTTGCCTACGGGC  
 AGACTGGCAGTGGAAAAACCCACACGATGGGCGGAGCCTTTTTAGGAAAGGCCAAAGATTGTTCTAAAGG  
 CATTTACGCCCTGGTAGCTCAGGATGTCTTCTCCTACTAAAAACCCAGCCTATGAGAAATTGGAACCT  
 AAAGTCTATGGGACCTTTTTGAGATCTATGGTGGCAAAGTGTACGATCTGTTGAACTGGAAGAAGAAAC  
 TACAAGTCTGGAGGATGAAATCAGCAAGTCCAAGTGGTGGGCTGCAGGAGCAGGAGGTGAGCTGTGT  
 GGAGGAAGTCTGAATCTGGTGGAGCTCGGGAACAGCTGTCGGACTTCCGGTCAGACCTCGGTCAACGCC  
 CACTCCTCCAGGAGCCATGCTGTGTTCCAGCTCATTCTCAAGGCTGGAGGGAAGCTGCACGGCAAGTTTT  
 CCCTGGTTGACTTAGCTGGGAACGAAAGGGGAGCAGATACTGCCAAGGCCACCCGGAAGAGGCAGCTGGA  
 AGGGGCTGAGATCAATAAAAGTCTGCTAGCCCTGAAAGAGTGCATCAGGGCTTTGGGTAAGAACAAGTCT  
 CATACCCATTACAGGCCAGCAAACCTCACGAGGTGCTACGGGATTCCTTCATAGGGCAGAACTCCTATA  
 CGTGATGATCGGACAATCTACCCGGGATGACTTCTGTGAGAATACTCTCAATACTTTAAGATACGC  
 CAACAGAGTCAAAGAATTAGCTTTAGAGGCAAGGCCCTACCATCACTGTGTCTCTCCACCTGGCCATGAG  
 GTACCACTGATGATAGAAAACGACAATACGAATTCGGGAAAGTCCCTTCAGAGGGATGAAGTTATTCAGA  
 TACCTACTGTAGAGAAAGAGGAAGAGAAAGAAAGTATGAACTCACATCAAAAAAGGAGCCAGCAGCTTC  
 ATGGAGCAGGTCCAACAGTGGTGGGAGGCCATCCAAGAAACGGCTGAGGGAGTCAACGGTGATGTGGAT  
 TTTTGCATTGCGCAGTCTTTGTCTGTTTTGGAGCAGAAAAATCGGTGTGCTGACTGATATCAAAAAAAGC  
 TCCAATCACTACGAGAAGACCTCCAAAAGAAAAGCCAAGTTGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_028547
- Insert Size:** 2007 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\\_028547.2](#), [NP\\_082823.1](#)

**RefSeq Size:** 2270 bp

**RefSeq ORF:** 2007 bp

**Locus ID:** 73470

**UniProt ID:** [Q8C0N1](#)

**Cytogenetics:** 11 D

**Gene Summary:** Plus end-directed microtubule-dependent motor required for spindle assembly and chromosome movement during mitosis. Has microtubule depolymerization activity. Plays a role in chromosome congression.[UniProtKB/Swiss-Prot Function]