

## Product datasheet for **MC221286**

### **Kif3b (NM\_008444) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kif3b (NM_008444) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kif3b
Synonyms:	AI854312; AW549267; mKIAA0359
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221286 representing NM\_008444  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCCAAGTTAAAAAGCTCAGAATCAGTCCGGTGGTGGTCCGCTGTCGGCCCATGAATGGCAAAGAAA  
 AGGCTGCATCTTATGACAAGGTGGTAGATGTGGATGTGAAGCTGGGGCAGGTGTCTGTGAAGAACCCTCAA  
 AGGCACATCCCATGAGATGCCAAAGACCTTCACCTTCGACGCTGTGTATGATTGGAACGCCAAGCAGTTT  
 GAGCTCTATGATGAGACGTTCCGACCACTCGTGGACTCTGTGCTGCAGGGTTTCAATGGCACAATTTTTG  
 CCTATGGACAAACAGGAAGCTGGGAAAACCTATACCATGGAGGGAGTTCGTGGTGACCCTGAAAAAGAGG  
 GGTATCCCAACTCCTTTGATCACATCTTACCCACATCTCTCGATCTCAGAATCAGCAGTACCTGGTC  
 CGGGCGTCTTACTTAGAGATCTATCAAGAAGAGATTGAGACTTGCTTTCAAAGGATCAGACCAAAAGGC  
 TAGAGCTCAAAGAGAGACCAGATACAGGAGTGTATGTAAGGATTTGTCTCTTTTGTACGAAAGAGTGT  
 GAAGGAGATAGAGCATGTGATGAATGTGGAAACCCAGAACCGGTCTGTCGGTGTACAAACATGAATGAG  
 CACAGCTCACGGTCGCATGCAATCTTTGTTATCACTATTGAATGCAGCGAGGTGGGCCTGGATGGTGAAA  
 ACCACATCCGGGTAGAAAGCTGAATCTTGTAGATCTTGTGCGCAGTGAGCGGCAAGCAAGACTGGAGC  
 TCAAGGGGAAAGACTGAAGGAAGCCACCAAGATCAACCTGTCCCTTCCGCTTGGGTAATGTTATCTCT  
 GCCCTTGTAGATGGCAAAAGCACCCATATTCCATATAGAGACTCAAAGCTGACCAGGCTTCTCCAAGATT  
 CCCTTGGTGGCAATGCCAAAAGTGTGATGGTAGCCAATGTGGGGCCTGCCTTTACAATGTAGAAGAGAC  
 CCTGACCACTCTGAGATGCCAACCGTGCCAAAAACATTAAGAACAAGCCAAGGGTCAATGAGGACCCA  
 AAGGATGCTCTGCTTCGAGAATCCAAGAAGAAATTTGCTCGGCTCAAGGCCAGCTGGAAAAACGTTCCA  
 TTGGCAGGAGGAAGAGGGCGAGAGAAGCGGAGGGAAGGTGGTGGCAGTGGTGGGGTGGGGAAGAGGAGGA  
 GGAGGAGGGAGAAGAGGGTGGAGGAGCAGGGGATGATAAGGATGATTACTGGCGGGAACAGCAAGAAAAA  
 CTGGAGATTGAGAAGCGGCCATTGTAGAGGACCACAGCTTGGTTCAGAGGAGAAGATGAGGCTGCTGA  
 AGGAGAAGGAGAAAAAGATGGAGGACCTGCGGCGAGAGAAGGATGCTGCAGAGATGCTGGGTGCCAAAAT  
 CAAGGCCATGGAGAGTAAGCTGCTTGTGCGGAGAAAAAATATAGTAGATCATACAAACGAACAGCAGAAG  
 ATCCTGGAGCAAAAACGCCAGGAGATCGCAGAGCAGAAACGTGAGAAAGAGAAATCCAGCAGCAATGG  
 AGAGTCGAGATGAGGAGACCCTGGAAGTAAAGAGACTTACACCTCACTGCAGCAGGAGGTAGACATCAA  
 GACCAAAAAGCTCAAAAAGCTCTTTTCCAAGCTTCAGGCCGTGAAGGCCGAGATCCACGACCTCCAAGAA  
 GAACACATCAAAGAGCGCCAGGAGCTGGAGCAGACGCAGAATGAACTCACCCGGGAGCTAAAGCTCAAGC  
 ATCTTATTATAGAAAACCTTTATCCCTTGGAAAGAGAAGAATAAAATTATGAATAGATCCTTTTTTGTATGA  
 TGAAGAAGACCATTGAAATTACATCCTATAACCAGACTGGAAAACCAGCAGATGATGAAGCGGCCCTGTC  
 TCTGCTGTGGGATACAAGAGACCTCTGAGCCAGCATGCACGGATGTCCATGATGATTCGGCCAGAGCCCC  
 GGTACAGGGCGGAGAACATCATGCTCTTGGAGTTAGATATGCCAGCCGGACAACCAGAGACTACGAGGG  
 CCCAGCCATCTCTCCAAGGTTCAAGCTGCGCTGGATGCAGCTCTGCAGGATGAAGATGAGATACAGGTG  
 GATGCCTCATCTTTGAAAGTACTGCCAGCAGAAAAACCAAGGCCAGGCCAAGAGTGGCAGGAAATCAG  
 GATCCTCCTCTTCTCCTCAGGAAACCTGCATCTCAGTTTTACCCACAGTCTCGGGGCTGGTCCCAA  
 GTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_008444  
**Insert Size:** 2244 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>	<a href="#">NM_008444.4</a> , <a href="#">NP_032470.3</a>
<b>RefSeq Size:</b>	5647 bp
<b>RefSeq ORF:</b>	2244 bp
<b>Locus ID:</b>	16569
<b>UniProt ID:</b>	<a href="#">Q61771</a>
<b>Cytogenetics:</b>	2 75.41 cM
<b>Gene Summary:</b>	Involved in tethering the chromosomes to the spindle pole and in chromosome movement. Microtubule-based anterograde translocator for membranous organelles. Plus end-directed microtubule sliding activity in vitro (By similarity).[UniProtKB/Swiss-Prot Function]