

## Product datasheet for **MC221854**

### **Kifc3 (NM\_010631) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kifc3 (NM_010631) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kifc3
Synonyms:	A1325457; BB123200
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221854 representing NM\_010631  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTCCCCTCTCGCAGGACGTGGAACCTGGGAGCCACGCCTTCACTGCGAGGCCTGTGGAGAGTGGGCC  
 GGGTCCAGGAGCCAAGCCCGGGATGGCTCGCCCCGCCAGCCAGCCAGCCGCGCCCTTCCACACA  
 CACCGGCCAGGGGAGGTTGAGAAGTGGCGTGGAAAAGATATTCTACCCAGTGGCGAGGAAGACTCCACT  
 TCTCGGACTGCAGCTCGCCCGTCTCTTGACAGTGTGAGCCCTCAGCGTGGACTGGCCTGGCCCTAGGA  
 GTCCCCATAGACTCTACCTGACAGTGCAGGTGGAGAATCTAAAGGAAAAGCTCATTAGCCAGGCCAGGA  
 AGTGAGCCGACTGCGATCAGAAGTGGGAGGCACGGACGCGGAGAAGCACAGGGACAGACTGATGGTGGAG  
 AATGAGCAGCTGAGGCAGGAGCTGAGGCCTGTGAGGTGGAAGTGCAGGAGCTTCGGGCCAGCCGGTGG  
 TGCCCTGCGAGGGCTGTGAGCACAGCCAGGAGAGCAGCCAGCTCCGTGACAAGCTGTCCAGCTGCAGTT  
 GGAAGTGGCTGAGAACAAAGGCATGCTGTGCGAAGTGAACCTGGAGGTGCAGCAGAAAACGGACCGGCTG  
 GCAGAGGTAGAGCTGCGCCTCAAGGACTGTCTGGCTGAGAAAGCCAGGAGGAGGAACGGCTCAGCCGGC  
 GCCTGCGTGACAGCCATGAGACTATCGCCAGTCTGAGGGCCAGTCCCCACCTGTTAAGTATGTCATCAA  
 GACAGTGGAGGTAGAGTCTTCCAAGACCAAGCAGGCCCTCAGCGAGTCCCAGACCCGGAACCAGCACCTG  
 CAGGAGCAAGTGGCCATGCAGCGGCAGGTGCTGAAGGAGATGGAGCAGCAGCTACAGAATCCCACCAGC  
 TGACAGTCCAGTTGCGGGCTCAGATTGCCATGTATGAGGCAGAGCTGGAGCGGCCACACGGGCAGATGCT  
 GGAGGAGATGCAGTCTTGGAGGAGGATAAGAACCAGGCCATTGAGGAGGCCCTTGCACGGGCCAGGTG  
 GAGATGAAGGCAGTACACGAGAAGCTGGCAGGTGTGAGGACCAACCTGCTGACGCTGCAGCCTGGCTGA  
 GGACCCACCAACGACTACAATGGGCTCAAGCGGCAGGTGCGGGGCTTCCCTTGTCTGCAGGAGGC  
 TCTCAGGAGTGTCAAAGCTGAGATCGGCCAGGCCATCGAGGAGGTTAATAGCAACAACCAGGAGCTGTTG  
 CGCAAGTACCGCCGGAAGTACAGCTGCGCAAGAAATGCCATAACGAGCTGGTCCGGCTGAAGGGAACA  
 TCCGGGTGATTGCCCGAGTCCGGCCAGTACCAAGGAGGATGGAGAAGGACCCGAGGCAACCAATGCTGT  
 GACCTTTGACCCTGATGATGACTCCATCATCCACCTGCTGCACAAGGGCAAGCCCGTGTCTTCGAGCTG  
 GACAAGGTCTTCTCCCGTGGGCTTCCAGCAGGACGTGTTCCAGGAGGTGCAGGCCCTCATTACCTCT  
 GCATCGATGGCTTCAATGTCTGTATCTTTGCTTACGGCCAGACAGGTGCCGGCAAGACATATAAATGGA  
 GGGACTCCCAGAACCCGGGCATCAACCAGCGGCCCTGCAGCTGCTCTTCTCGGAGGTGCAGGAGAAG  
 GCGTCTGACTGGCAGTACAACATCACCGTCAAGCAGCTGAGATTTACAATGAAGTCTCAGGGACCTGC  
 TGGGGAAGAGCCCTCAGGAGAAGCTGGAGATCCGACTGTGCCCGATGGCAGTGGCAACTGTATGTGCC  
 AGGGCTGACTGAGTTCAGGTGCAGAGCGTGGATGACATCAACAAGGTGTTTGGTGTGCTACAACAAC  
 CGCACCACCGAGTTCACCAACCTGAACGAACACAGCTCCCGCTCCACCGCTCTGCTCATCGTGACAGTGA  
 GAGGTGTGGATTGCAGCACAGGCCCTCCGCACCAGGGGAAGTGAACCTGGTGGACCTGGCTGGTTCAGA  
 GCGTGTGGGCAAGTGGGGGCTGAGGGCAACCGCTGCGAGAGGCACAGCACATCAACAGGTCACTATCC  
 GCCCTGGGGACGTCATTGCTGCCCTGCGTTCTCGACAAGGCCATGTGCCCTTCCGAATTCCAACTCA  
 CCTACCTGCTGCAGGACTCACTCAGTGGTGACAGCAAGACCCTTATGGTGGTACAGGTGTCCCAAGTGA  
 GAAGAACACCAGCGAGACTCTGTACTCCCTCAGATTTGCTGAGAGGGTTCGCTCTGTGGAGTTGGGCCCT  
 GGGTCCC GCCACAGAGCTGGGTTCTTGGTCAAGCCAGGAGCACCTGGAGTGGGAGCCGCTTGCAGAG  
 CACCACAGCCTACAGCACGAGCCACTCTGCCCTGGCTCTGGGACCAGTAGCCGCCAGGTTCCATCCG  
 AAGGAACTGCAGCCGTAGCTGA

**ACGGCT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_010631  
**Insert Size:** 2475 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_010631.2</a> , <a href="#">NP_034761.3</a>
<b>RefSeq Size:</b>	3288 bp
<b>RefSeq ORF:</b>	2475 bp
<b>Locus ID:</b>	16582
<b>UniProt ID:</b>	<a href="#">O35231</a>
<b>Cytogenetics:</b>	8 47.12 cM
<b>Gene Summary:</b>	Minus-end microtubule-dependent motor protein. Involved in apically targeted transport. Required for zonula adherens maintenance.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (a).