

Product datasheet for **MC205385**

Kif18a (NM_139303) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif18a (NM_139303) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kif18a
Synonyms:	AU024633; B130001M12Rik; gcd2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```
>BC016095
GCGAGTCGCTCAGGAAAACGTCTGACGTGCTGACGTGCTCCGAACGGCAGCCAATGAGATGGATAGCTGG
GGAAGCTGGCTTGGGTTTGAATTTGTGGCTGTGTTTGGAGCGCCTGGAAGCCAACCTGCGCAAGTTGTGA
CGGTCACTTCTTGTAGGAAAATCCCAGGTATTCATGTAACAGGAATTGAGGTAACATAAGAATGTCTGGC
ACTGAAGAAGACTTATGTACCCGCATGAAAGTAGTTGTCCGTGTACGTCTGAGAACACAAAAGAAAAGG
CGGTGCAGTTCTGTAAAGTGGTTCATGTAGTGGATAAACATATACTCAGTTTTGATCCGAAACAAGAAGA
AATCAGTTTTTTTTACAGAAAAGAAAACACAAATTTTGTATTACTAAAAGGCCAAAATAAAGATCTGAAG
TTTGTATTGTGCTGTCTTTGATGAAACTTCAACTCAAATGGAAGTTTTTGAACACACAACCAAGCCAA
TCCTTCATAGTTTTCTGAATGGATACAATTGCACAGTATTTGCATATGGTGCCACTGGATCTGGGAAAAC
TCACACAATGCTAGGATCAGCTGCTGAACCTGGGGTCATGTACCTGACAATGCTGGACCTTTTCAAATGC
ATCGATGAGATTAAGAAGAGAAAAGAGTGTAGCACTGCCGTGTCATACCTGGAGGTATATAATGAACAGA
TCCGTGACCTCTTGACAACTCAGGACCACTTGTGTCCGGGAAGATTCCCAAAAAGGAGTGGTTGTTCA
GGGTCTTACTCTACACCAGCCTAAATCTTCAGAGGAAATATTACAGCTACTAGACAATGGAACAAAAAC
AGGACCCAGCATCCCACTGACGTGAATGCAGTGTCTTCTCGTTCCCATGCTGTTTTCCAGATTTATTTGC
GACAACAAGACAAAACAGCGAGCATCAATCAAATGTCCGTATAGCCAAAATGTCACTCATCGACCTCGC
AGGATCTGAGAGGGCCAGTGTTCGGGTGCTAAAGGGTACAGATTTGTAGAAGGCACAAATATTAACAAA
TCTCTTTAGCTCTTGGGAATGCATCAATGCCTTAGCAAATACAAGAGAAGAAAATCAGCATATTCCTT
ACAGAAATAGTAAGCTTACTCGTTTGTGAAGGATTCTCTTGGAGGAACTGTCAAATAATGATAGC
TGCTGTTAGTCCTTCTCTTTATTTATGATGACACATATAACACTCTTAAGTATGCTAATCGTGCAAAAG
GAAATTAATCTCTTTGAAGAGCAATGTTCTTAATCTCAACAGTCACATATCTCAGTATGTAAGATAT
GTAATATGCAGAAAGCAGAGATTTAATGTTGAAAGAAAACAAAGGCCTATGAAGAACAGAAAGCCCT
GTCTGACAGAAATGACTGTGCTAAATAGTACATTCAAACCCAGAAGACAGAGAACTGAAAGATTTCAA
GAAATTTGAACTGCTTGTCCAGAATCGAGAAGGAATCAGGCAAGAGTATCTGAAGTTAGAAATGTTAC
TTAAGGCAAAATGCGCTAAAGTCATCCTATCACCAACAGTCCCATAAACAGATAGAGATGATGTTCTGA
AGACAAAGTGGAAGGCCACTTGCAAACGAGATCACAGACTTGAAGTTGAAAACCAACAGCTGTTTT
CTAGAGAAAAAGAAAAGAGAGGTGCGAAAACATTTGATGAAAATACTAATGGTACTACGTTGTTGAAA
ACGAAATGCGACTCTTGGGTCAAATGGTGATATTCAGAGGCACTCAATAAAGAGCTTCACTGTCAACCA
TTTACACCTCCAGAACAAAGAACTGAAAACACAAATGGCACACATGACAGCTCTAGCTTGTCTCCAGGAA
CAGCAGCACAAAGCAAACTGAGGCAGTATTGAATGCTTTGCTTCCAGTACTAAGAAAACAGTATTGGAAT
TGAAAAGAACTGGCCTGTCAAATGCTGCTTTTGTATTCTGACTTCAAAGATATTGAACATTTAGTAGAGAG
AAAAAAGGTGGTGGCTTGGGCTGACCAAATAATGAACATTCAAACCGAAATGATCTTCCAGGGATTTCT
CTTCTTATGACCTTCCCACAGCTTGAACCAATTCAGTCTATTTCTTGTGACATCTGTGAGTGATCCTA
ACGTGCTTAAACTTACTCCACAACGAAGAACGAGAAGAAAATAATTCCTTCTCCCTTGAAGTACAACA
TACTCAGAAGTCTGCACTGTCTGAAAGTACACAGCTCAATGATTCTTTCAGCAAAGAACTTCAAGCTATT
GTTTATACGCCAGAGGACTGCAAAAAGCTCAAGACCTGTTTCCATCCTAACGGAACCTTCAATCGCAGT
CTGCAATGTAATGAATGACAATCCCAGAAAGCACTGTGTAGAATAGAGTCTCCTCTCAGCAGAACTGA
GTGCAACAGGGTTTGTACTCTACATCTACTCTGTGTGATAGCATCAGAGGCTTGAAGAATAAATGGCCT
GAACAAGAACCACTAGCAAGCAGCAAAAGCAGTGTGCACAGGATAGAGTCTTCTCATTTCACAAAGG
ACAAATGAGTTCTACATCAAATGCTTCAATCAAATCTGATGAAAGTTGTGGATTTGCCAAACGCATTCGA
CGGGATAATTCAAGCGTTAAGCCTATGCAAGAAAACAGACTGAAAGTGGGCTATAAAAAGAAATACCAACA
AAACAAATTCAAACATGCTTAGAAAAATTTAGAAGAAACACTTCAAAGAAAATGTACAATAAGAAGAATC
AATGTCCTTGTGTGGTATTTAGCCTTTAGAAATGATTTCAAGTCTGGGAAAAGAGCCATCTTTTGTCT
CAAATATTTTTCAGCAAGCAAAATGAAACTTCTTTTGTATTTAAAATAAATATCAAATTACAACAGGGTAT
TTTTCCATTTCTCAAATATTTGGTATGCTTGAAGTCTCTAAGTACCATGATGCCAATTTACTCATACT
TTTACTACAACCTGATTGCAACATTGTAGAAAACATAGTAAATTAATTTGCCCTTATTATTTTCAAATAA
AAGGAGACTTTAGAAGTCATAGTTATGGCCAAGATGATTTGGTCTTCTGCTGTGTGCAATATGTTGGT
TTAATCATACATGTCATTTTACTTTCTAAAACATTGGTGTAAAAATGTAGATACATATGCCATTGCATT
GTAATATTTGTTTAAATACCTTCCATAAATAATGTGCTAATATTTTATTACTTGGTATATTTAAAGATGTA
GATTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```

Restriction Sites:	RsrII-NotI
ACCN:	NM_139303
Insert Size:	2661 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:	<ol style="list-style-type: none">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:	BC016095 , AAH16095
RefSeq Size:	3487 bp
RefSeq ORF:	2661 bp
Locus ID:	228421
UniProt ID:	Q91WD7
Cytogenetics:	2 E3
Gene Summary:	Microtubule-depolymerizing kinesin which plays a role in chromosome congression by reducing the amplitude of preanaphase oscillations and slowing poleward movement during anaphase, thus suppressing chromosome movements. May stabilize the CENPE-BUB1B complex at the kinetochores during early mitosis and maintains CENPE levels at kinetochores during chromosome congression (By similarity).[UniProtKB/Swiss-Prot Function]