

Product datasheet for **MC206220**

Kif22 (BC003427) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif22 (BC003427) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kif22
Synonyms:	AU021460; C81217; Kid; Kif22a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003427
 GGCCGAAGAAGGGAAGGCTATGAGCTTAAGGGCTAAGACGTGTCCGACGCGACGGGAGATGGCGTCGGCC
 ACCTCAGGACCTGGCCGCTGTGTAAAGCAAAGGAGGGCTTGGCCGGCGTCCGCCTCTAGCTCGAGTAAGGG
 TGGCTGTGCGGCTGCGCCCGTTTATGGATGGAGAGACAGAAGCGAAGGAGCTCCCTGTGTCCGAGCCAT
 AGACAGCTGCTCTTTGAAGTGGCTAACTGGAAGAAATACCAGGAGACGCTCAAAATATCAGTTTGATGCC
 TTCTATGGCGAGAAGAGCACTCAGCAGGAAGTCTATGTAGTTTCAGTACAGCCCATCTTAAGGCATTGC
 TGGAAAGGCAGAAATGCCAGTGTACTTGCCTATGGCCCTACTGGGCAGGGAAAGACACACACAATGCTGGG
 CAGCCCAGAGCAACCTGGAGTGATTCTCGGGCTCTCATGGACCTCTGCAACTAGCAAGGGAAGAGAGT
 GCTGAGGGACGGCCATGGGACGTTTCTGTTGCTATGTCCTATTTAGAGATCTACCAGGAAAAGGTATTAG
 ACCTCTTGGATCCTGCATCAGGAGACCTCGTGATCCGCGAAGACTGCCGAGGGAACATCCTGATCCCAGG
 CCTCACACAGAAGCCATCACCAGCTTCTCTGACTTCGAGCAGCACTTCTTCCAGCCAGTAGAAAATCGA
 GCTGTAGGAGCCACCCGGCTTAACCAGCGCTTCTCCCGTAGTCACGCAGTGCTCTTGGTCAAGGTAGATC
 AGCGTGAACGTTTGACTCCATTTGCGCCAGCGGGAAGGAAAACCTACCTTATTGATTTGGCTGGTTCAGA
 GGACAACCGTGCACAGGCAACCAGGGCATTTCGGCTCAAAGAGAGCGGAGCCATCAACACCTCCCTCTTT
 GTACTGGGCAAAGTGGTGGATGCATTAACCAGGGCCCTCCCTCGCATACCATACCGGGACAGCAAGCTCA
 CTCGTCTGCTGCAGGACTCTCTGGGAGGCTCAGCTCATAGCATCCCTATTGCCAACATTGCTCCTGAAAG
 ACGTTTTTACCAGGATACAATTTAGCATTGAACTTCACTGCTAGGTCCAAGGAGGTGATTAACCGGCCCT
 TTCACCAATGAGAGTCTACAGCCTCATGCCTTGGCACCTGTTAAGCTGTCTCAGAAAAGACTGCTAGGCC
 CGTCAGAGGCAAAGAAGGCCAAAGGCCCTGAAGAAGAATCAACTGGGAGCCCTGAGTCTACAGCAGCTCC
 AGCGTCTGCCTCCCAGAAACTAAGCCTCTTACAGAAGCTAAGCAATATGGATCCAGCCATGTTGGAGAAC
 CTCCTGAGTATGGAACGTTTGTGGGTTCCAGGGAAGCAAGGGACCCCTACTGAATACCCCAAAGC
 GAGAACGAATGGTGCTCATGAAGACAGTGGAGGAAAAGAACTTAGAGATTGAGAGGCTTAAGATGAAGCA
 AAAAGAACTGGAAGCCAAGGTGTTGGCCAGGAGGCACCGGATCCAAGGGAAAAAGAGAACAACCTCCACA
 ATTCTCCAGCCGCTGCCCTTTATAGTGCCACAGTGGCAAGGCCCTGAAAAAGGCTGTAGTGATGCCCC
 TGCAACCGATTAGAAGCAGCGAGAGTCTCAAACCAAATCCAGCTCCTGAAGAAAAGGCCCAAAAAGGAA
 GCTGGAGCCATCCCCTGAGTCAGAAGCTGTGAAAAGGATGAGGACTACTGGGAGGTACAGATTAGCCCA
 GAGTTACTGGCACATGGGCGCAAAAAATTATTGGATCTGTGAATGAAGGCTCAGCTCGGGAACGCGCA
 GCCTGCAGCGCATTGGCCAGAAGAAAGCCAGCTCATCGTGGGCTGGAGGGAGCTCCACGGCCCTTCAG
 TGAGGTGGAGGACTTGGAAACAGGTGGAAGGCATCTCTGGGAAGCAGGTGGAGTCTTTCTGAAGGCGAAT
 CTCTTGAGCTTGGCCGCCAGCCAGCACAGCGGTCCCTCTTGACACTACCTTCTTTAAAAATCCTTGAT
 AGTGACGTGTTGTAAATACAGTTTTTTATTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC003427

Insert Size: 1983 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: [BC003427](#), [AAH03427](#)

RefSeq Size: 2086 bp

RefSeq ORF: 1983 bp

Locus ID: 110033

Cytogenetics: 7 69.29 cM

Gene Summary: Kinesin family member that is involved in spindle formation and the movements of chromosomes during mitosis and meiosis. Binds to microtubules and to DNA. Plays a role in congression of laterally attached chromosomes in NDC80-depleted cells.[UniProtKB/Swiss-Prot Function]