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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC220267 representing NM_028547
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAGCCAGTTCTGCCTTCCTCTGGCCCCACGCCTCTCACCCCTTAAACCTCTGAAATCCCACTTCA
CAGACTTCCAGGTTGGCATCTGTGTGGCAATCCAGCGCAGTGACAAACGGATTCACCTGGCTGTGGTCAC
AGAGATCAACAGAGAAAACTCCTGGGTCACAGTAGAGTGGGTTGAGAAAGGAGTCAAAAAAGGAAAGAAG
ATCGAACTGGAGACTGTACTTCTGTTGAATCCGGCTCTGGCCTCTCTTGAACACCAACGGTCACGTAGGC
CCCTGCGCCCAGTGTCTGTAGTACCATCTACTGCCATTGGAGACCAGCGTACAGCCACCAAGTGGATTGC
GATGATCCCACACAGAAATGAAACACCCTCAGGGGACAGCCAAACCCTGATGATCCCCAGCAACCCTTGT
CTGATGAAGCGGAAAAAATCCCCCTGCCTACGGGAAATTGAAAAGCTGCAGAAGCAGAGAGAGAAGCGCC
GCCGACTGCAGCTAGAGATCCGAGCTAGACGAGCCCTTGACATCAACACTGGAAATCCGAACTTCGAGAC
TATGCGCATGATTGAGGAGTATCGCAGGCGTCTAGATAGCAGCAAGATGTCCAGCCTGGAGCCCCCAGAA
GACCACCGGATCTGTGTGTGTGTGAGAAAGCGCCCTCTTAATCAGAGAGAGACGACGATGAAGGACCTCG
ATATCATCACTATTCCCTCGCACAATGTAGTCATGGTCCACGAGTCTAAACAAAAGGTGGACCTGACCCG
CTACTTGGAAAACCAGACCTTCTGTTTTGACCACGCCTTCGACGACAAGGCATCCAATGAACTAGTTTAC
CAGTTCACCGCCAGGCCTCTTGTGGAGTCCATCTTCCGAAAGGGCATGGCAACTTGCTTTGCCTACGGGC
AGACTGGCAGTGGAAAAACCCACACGATGGGCGGAGCCTTTTTAGGAAAGGCCCAAGATTGTTCTAAAGG
CATTTACGCCCTGGTAGCTCAGGATGTCTTCCTCCTACTAAAAACCCCAGCCTATGAGAAATTGGAACTC
AAAGTCTATGGGACCTTTTTTGAGATCTATGGTGGCAAAGTGTACGATCTGTTGAACTGGAAGAAGAAAC
TACAAGTCCTGGAGGATGGAAATCAGCAAGTCCAAGTGGTGGGGCTGCAGGAGCAGGAGGTGAGCTGTGT
GGAGGAAGTCCTGAATCTGGTGGAGCTCGGGAACAGCTGTCGGACTTCCGGTCAGACCTCGGTCAACGCC
CACTCCTCCAGGAGCCATGCTGTGTTCCAGCTCATTCTCAAGGCTGGAGGGAAGCTGCACGGCAAGTTTT
CCCTGGTTGACTTAGCTGGGAACGAAAGGGGAGCAGATACTGCCAAGGCCACCCGGAAGAGGCAGCTGGA
AGGGGCTGAGATCAATAAAAGTCTGCTAGCCCTGAAAGAGTGCATCAGGGCTTTGGGTAAGAACAAGTCT
CATACCCCATTCAGAGCCAGCAAACTCACGCAGGTGCTACGGGATTCCTTCATAGGGCAGAACTCCTATA
CGTGCATGATCGCGACAATCTCACCCGGGATGACTTCCTGTGAGAATACTCTCAATACTTTAAGATACGC
CAACAGAGTCAAAGAATTAGCTTTAGAGGCAAGGCCCTACCATCACTGTGTCTCTCCACCTGGCCATGAG
GTACCACTGATGATAGAAAACGACAATACGAATTCGGGAAAGTCCCTTCAGAGGGATGAAGTTATTCAGA
TACCTACTGTAGAGAAAGAGGAAGAGAAAGAAAGTGATGAACTCACATCAAAAAAGGAGCCAGCAGCTTC
ATGGAGCAGGTCCAACCAGTGGTGGGAGGCCATCCAAGAAACGGCTGAGGGAGTCAACGGTGATGTGGAT
TTTTGCATTGCGCAGTCTTTGTCTGTTTTGGAGCAGAAAATCGGTGTGCTGACTGATATCCAAAAAAAGC
TCCAATCACTACGAGAAGACCTCCAAAAGAAAAGCCAAGTTGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-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).

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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]

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