

Product datasheet for **SC123035**

KIF2B (NM_032559) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF2B (NM_032559) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF2B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_032559 edited
CTGCTCAGTGCTCCGGGCGCTTCAGGCTGGCTTGGGTCCTGCTGCTCCAACCCCAAGGGC
CCTGGAGCGCTCCCTGATACCTCCATCACTCACCATGGCCAGCCAGTTCTGCCTCCCTGA
ATCCCCATGTCTCTCGCCCTGAAACCCCTTGAAGCCACATTTCCGAGACATCCAAGAGGG
CATCTACGTGGCGATCCAGCGCAGTGACAAGCGGATCCACCTCGCTGTGGTCACGGAGAT
CAACAGAGAAAACTATTGGGTCACGGTAGAGTGGGTGGAGAAAAGCAGTCAAAAAAGGCAA
GAAGATTGACCTGGAGACCATACTCTGCTGAATCCAGCTCTGGACTCTGCTGAACACCC
CATGCCGCCCCCGCCCTTATCCCCCTTGGCTCTGGCGCCCTCTTCGGCCATCAGGGACCA
GCGTACCGCCACGAAATGGGTTGCGATGATCCCCCAGAAAAACAAACAGCCTCAGGGGA
CAGCCTGGATGTGAGGGTCCCAGCAAACCTTGTCTGATGAAGCAGAAAAAGTCTCCCTG
CCTCTGGGAAATCCAGAAACTGCAGGAGCAGCGGAAAAGCGCAGGCGGCTGCAGCAGGA
GATCCGAGCTAGACGCGCCCTCGATGTCAATACCAGAAACCCAACTACGAAATCATGCA
CATGATCGAAGAGTATCGCAGGCACCTGGACAGCAGCAAGATCTCAGTCTGGAGCCCC
GCAAGAACATCGCATCTGCGTCTGCGTGAGGAAGCGGCCCTCAACCAGCGAGAGACAAC
CTTGAAGGACCTGGATATCATCACCGTCCCTCGGACAATGTGGTTATGGTGCATGAGTC
CAAGCAAAAGGTGGACCTCACTCGCTACCTGCAGAACCAGACCTTCTGCTTCGACCATGC
TTTCGATGACAAAGCCTCCAACGAGTTGGTGTACCAGTTCACCGCCCAGCCACTGGTGGGA
GTCCATCTTCCGCAAGGGCATGGCCACCTGCTTTGCCTATGGGCAGACGGGAAGTGGGAA
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TGCTTTGGTGGCAGGATGTCTTTCTCCTGCTCAGAACTCCACATATGAGAAGCTGGA
CCTCAAAGTCTATGGGACATTTTTGAGATTTATGGGGCAAGGTGTATGATTTGTTGAA
CTGGAAGAAGAAGCTGCAAGTCTTGAGGATGGCAATCAGCAAATCCAAGTGGTGGGCT
GCAGGAGAAAGAGGTGTGTTGTGTGGAGGAGTCTGAACCTGGTGGAAATAGGGAAATAG
CTGTCCGACTTCCAGGCAACATCTGTCAACGCTCACTCATCCAGGAGCCATGCAGTGTT
CCAGATCATCCTGAAGTCAGGAGGGATAATGCATGGCAAGTTTTCCCTCGTTGATTTAGC
TGGGAATGAAAGAGGAGCAGATACAACCAAGGCCAGCCGAAAAGGCAGCTGGAAGGGGC
AGAGATTAACAAGAGTCTTCTAGCCCTCAAAGAATGTATTCTGGCTTTGGGTGAGAAACA
GCCTCACACCCCATTCAGAGCCAGCAAACCTCACACTGGTGTCTCCGGGACTCCTTTATAGG
CCAGAACTCCTCCACTTGCATGATTGCTACCATCTCTCCGGGGATGACCTCTTGAAAAA
CACTCTCAACACTTTAAGATATGCAAACAGAGTAAAAAAATTAATGTAGATGTAAGGCC
CTACCATCGTGGCCACTATCCGATTGGACATGAGGCACCAAGGATGTTAAAAAGTCACAT
CGGAAATTCAGAAATGTCCTTCAGAGGGATGAATTTATTAATAACCTTATGTACAGAG
TGAGGAGCAGAAAGAGATTGAAGAGGTTGAAACATTACCCACTCTGTTAGGGAAGGATAC
CACAATTTGAGGGAAGGGATCTAGCCAATGGTTGGAAAACATCCAGGAGAGAGCTGGTGG
AGTACACCATGATATTGATTTTTGCATTGCCCGGTCTTTGTCCATTTTGGAGCAGAAAAAT
TGATGCTCTGACCGAGATCCAAAAGAACTGAAATTATTACTAGCTGACCTCCACGTGAA
GAGCAAGGTAGAGTGAAGCCAATGGCGAGAGATCAGGTCCGAAATGCTGCATTGCTGCAG
TTTCCACCACTCTTATACAGGAAAACGTCCAAATAATTATCTAAAGATCCTCCTGAGAA
GCTTAAAAACATCTTAAAAATCACTGATGGGAAACATGAAAAAAAAAAAAAAAAAAAAAA
AA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032559 unedited NNCCGTTTAGATTTGTATACCATCATATAGGCGGCCGCGNATCCCGGGATCTGCTCAGT GCTCCGGGCGCTTCAGGCTGGCTTGGGTCTGTGCTCCAACCCCAAGGCCCTGGAGCGC TCCCTGATACCTCCATCACTCACCATGGCCAGCCAGTTCTGCCTCCCTGAATCCCATGT CTCTCGCCCTGAAACCCCTTGAAGCCACATTTCCGAGACATCCAAGAGGGCATCTACGTG GCGATCCAGCGCAGTGACAAGCGGATCCACCTCGCTGTGGTCACGGAGATCAACAGAGAA AACTATTGGGTCACGGTAGAGTGGGTGGAGAAAGCAGTCAAAAAAGCAAGAAGATTGAC CTGGAGACCATACTCCTGCTGAATCCAGCTCTGGACTCTGCTGAACACCCATGCCGCC CCGCCCTTATCCCCCTTGGCTCTGGCGCCCTTTCGGCCATCAGGGACCAGCGTACCGCC ACGAAATGGGTTGCGATGATCCCCAGAAAAACAAACAGCCTCAGGGGACAGCCTGGAT GTGAGGGTCCCCAGCAAACCTTGTCTGATGAAGCAGAAAAAGTCTCCCTGCCTCTGGAA ATCCAGAACTGCAGGAGCAGCGGAAAAGCGCANGCGGCTGCAGCAGGAGATCCGAGCT AGACGCGCCCTCGATGTCAATACCAGAAACCCCAACTACGAAATCATGCATGATCGAA GAGTATCGCANGCACCTGGACAGCAGCAAGATCTCAGTCTGGAGCCCCGCAAGAACAT CGCATCTGCGTCTGCGTAGGAAGCGGCCTCTCAACCAGCGAGAGACAACCTTGAAGAC CTGGATATCATACCGTCCCCTCGNACAATGTGGTATGGTGCATGAGTC
Restriction Sites:	Please inquire
ACCN:	NM_032559
Insert Size:	2282 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:	NM_032559.3 , NP_115948.3
RefSeq Size:	2334 bp
RefSeq ORF:	2022 bp
Locus ID:	84643
UniProt ID:	Q8N4N8
Cytogenetics:	17q22
Protein Families:	Druggable Genome

Gene Summary:

Plus end-directed microtubule-dependent motor required for spindle assembly and chromosome movement. Has microtubule depolymerization activity (PubMed:17538014). Plays a role in chromosome congression (PubMed:23891108).[UniProtKB/Swiss-Prot Function]