

Product datasheet for **RC234940**

KIF18B (NM_001264573) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF18B (NM_001264573) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIF18B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234940 representing NM_001264573
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGTGGAGGACAGCACGCTGCAAGTAGTGGTACGGGTGCGGCCCCACCCTCGGGAGCTGGACA
 GTCAGCGCGGCCAGTGGTTCAGGTGGTGGACGAGCGGGTCTGGTGTAAACCCCTGAGGAGCCGATGG
 AGGGTTCCCTGGCCTGAAATGGGGTGGCACCCATGATGGCCCAAGAAGAAGGGCAAAGACCTGACGTTT
 GTCTTTGACCGGGTCTTTGGCGAGGCGGCCACCCAACAGGACGTGTTCCAGCACACCACGCACAGCGTCC
 TGGACAGCTTCTCCAGGGCTACAAGTCTCAGTGTTCCTACGGGGCCACCGGGGCTGGGAAGACACA
 CACCATGCTGGGAAGGGAGGGGACCCCGCATCATGTACCTGACCACCGTGAAGTGTACAGGCGCCTG
 GAGGCCCGCCAGCAGGAGAAGCACTTCGAGGTGCTCATCAGCTACCAGGAGGTGTATAATGAACAGATCC
 ATGACCTCTGGAGCCAAAGGGGCCCTTGCCATCCGCGAGGACCCGACAAGGGGGTGGTGGTGAAGG
 ACTTTCTTTCCACCAGCCAGCCTCAGCCGAGCAGCTGCTGGAGATACTGACCAGGGGAACCGTAACCGC
 ACGCAGCACCCACTGATGCCAACGCGACTTCCTCCCGCTCCCATGCCATCTTCCAGATCTTTGTGAAGC
 AGCAGGACCGGGTTCAGGACTGACCCAGGCTGTCCAGGTGGCCAAGATGAGCCTGATTGACCTGGCTGG
 CTCAGAGCGGGCATCCAGCACCCATGCGAAGGGGGAGCGGCTGCGGGAGGGGGCCAAATCAACCCTCT
 CTGCTGGCGCTCATCAACGTCCTCAATGCCTTGGCCGATGCAAAGGGCCGCAAGACCCATGTGCCCTACC
 GGGACAGCAAAGTACCCGCTGCTCAAAGACTCCCTCGGGGGCAACTGCCGCACAGTGTATGCTGCTGC
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 ATCAGGCTCTCGCTGAAGAGCAATGTGACCAGCCTGGACTGTACATCAGCCAGTATGCTACCATCTGCC
 AACAGCTCCAGGCTGAGGTAGCCGCTCTGAGGAAGAAGCTCCAAGTGTATGAGGGGGAGGCCAGCCGCC
 ACCACAGGACCTCCAGGATCTCCAAGTCGGGACCAACCAGAAACACCTTCCAGCTCCCCCTTGCCCA
 CCCCACCTCCAGCCAGCCTGCACCCAGAGCTCCCTGCAGGGCCTAGAGCCCTTCAAGAGGAGAGTC
 TGGGGATGGAGGCCAGGTGGAGAGGGCCATGGAAGGGAAGTCTTCCAGACCAGGAGCAGTCCCCAGAGGA
 TGAGGATGAAGGCCAGCTGAGGAGGTTCCAACCCAGATGCCAGAGCAGAAACCCACACATGCACTGCCA
 GAGTCCCTCGCCTGACCCTGCAGCCAAAGCCAGTCGTGGGCCACTTCTCAGCACGGGAAGTGGATGGGG
 ACCGTTCTAAGCAGTTGGCCCTAAAGGTGCTGTGCGTTGCCAGCGGCAGTACTCCCTGCTCCAAGCAGC
 CAACCTCTGACCCCGACATGATCACAGAGTTTGAGACCCTACAGCAGCTGGTGAAGAGGAAAAAATT
 GAGCCTGGGGCAGAGGCCTTGGAGACTCAGCCCTGGCCAGGGGGCACCTCTGGCTCAGGAGCTGTGTT
 CAGAGTCAATCCCTGTGCCGTCTCTCTGCCCAGAGCCTCCAGGATACACTGGCCCTGTGACCCGGAC
 TATGGCGAGGCGACTGAGTGGCCCTGCACACCTGGGAATCCCGCCTGGACCCAACTGCACCCAGCC
 CAGGGGTCCCGATGGCCATGGAGAAGAAGAGGAGGAGACCAAGCGCCTTGGAGGAGAGCAGTCCCATGG
 CCCCAGCGGGGACCAAGCGCCAGCGCCAGTCTTCTGCCCTGCCTAAGGAGAGGGTCTCTGCCTGA
 CACCAACCTTACAGGGGCCAGCACCCCAAGGAGAAAGGGCCTCTCCCCCTGCCATTCCCCCTCGC
 GTTTGCCAGCCACAGTCATCAAAGCCGGGTGCCCTGGGCCCTTCCGCCATGCAGAACTGCTCCACCC
 CGCTGGCTCTGCCACTCGAGACCTCAATGCCACCTTTGATCTCTGAGGAGCCTCCCTCAAAGCCAG
 TTTCCATGAATGCATTGGCTGGGACAAAATACCCAGGAGCTGAGCAGGCTGGACCAGCCCTTCAATCCC
 AGGGCACCTGTGCCCTGTTACCATGAAGGGCCCAAGCCAACATCTTCCCTCCCTGGGACCTCTGCCT
 GCAAGAAGAAGCGGTTGCGAGTTCTCAGTCTCCATGGCCGACGCGCATCGCCGCCTCCCCAGCAG
 CACTTTGAAGAGGCCAGCTGGGCCCTTGTACTCCAGGTGACTGGCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234940 representing NM_001264573
 Red=Cloning site Green=Tags(s)

MAVEDSTLQVVVVRPPTPRELDSQRRPVVQVDERVLVFNPEEPDGGFPGLKWGGTHDGPKKKGKDLTF
 VFDRVFGAATQQDVFQHTTHSVLDSFLQGYNCVVFAYGATGAGKTHTMLGREGDPGIMYLTVELYRRL
 EARQQEKHFEVLISYQEVYNEQIHDLLEPKGPLAIREDPDKGVVQGLSFHQPASAEQLLEILTRGNRNR
 TQHPTDANATSSRSHAIQIFVKQQDRVPGLTQAVQVAKMSLIDLASERASSTHAKGERLREGANINRS
 LLALINVLNALADAKGRKTHVPYRDSKLTRLLKDSLGGNCRTVMIAAISPSSTLYEDTYNTLKYADRAKE
 IRLSLKSNVTSLDCHISQYATICQQLQAEVAALRKKLQVYEGGGQPPPQDLPGSPKSGPPPEHLPSPLP
 PHPPSQPCTPELPAGPRALQEESLGMEAQVERAMEGNSSDQEQSPEDEDEGPAEEVPTQMPEQNPTHALP
 ESPRLTLQPKPVVGHFSARELDGDRSKQLALKVLCVAQRQYSLLQAANLLTPDMI TEFETLQQLVQEEKI
 EPGAEALRTSGLARGAPLAQELCSESI PVPSPLCPEPPGYTGPVTRTMARRLSGPLHTLGIPPGPNCTPA
 QGSRWPMEKKRRRPSALEADSPMAPKRGTQRQSFPLPCLRRGSLPDTQPSQGPSTPKGERASSPCHSPR
 VCPATVIKSRVPLGPSAMQNCSTPLALPTRDLNATFDLSEPPSKPSFHECIGWDKIPQELSRLDQPFIP
 RAPVPLFTMKGPKPTSSLPGTSACKKKRVASSSVSHGRSRIARLPSSTLKRPAGPLVLPGDWH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

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_001264573.2](#)

RefSeq Size: 4308 bp

RefSeq ORF: 2502 bp

Locus ID: 146909

UniProt ID: [Q86Y91](#)

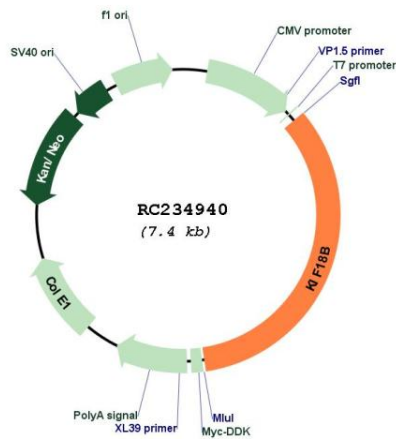
Cytogenetics: 17q21.31

Protein Families: Druggable Genome

MW: 91.5 kDa

Gene Summary: In complex with KIF2C, constitutes the major microtubule plus-end depolymerizing activity in mitotic cells. Its major role may be to transport KIF2C and/or MAPRE1 along microtubules. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC234940