

Product datasheet for **MC223733**

Kif1b (NM_008441) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kif1b (NM_008441) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kif1b
Synonyms: A530096N05Rik; AI448212; AI506502; D4Mil1e; KIF1Bp130; KIF1Bp204
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223733 representing NM_008441
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGGGAGCCTCTGTGAAGGTCGCTGTTTCGAGTGAGGCCCTTCAATTCTCGAGAGACCAGCAAGGAGT
CCAAGTGCATCATTGAGTGAAGGCAACTCGACCAGTATTATTAACCCAAAGAACCCAAAGGAAGCACC
AAAGTCCCTCAGCTTTGACTACTCTACTGGTCCCACACCTCGCCTGAAGATCCCTGTTTGCATCGCAG
AATCGTGTGTACAATGACATTGGAAGGAAATGCTCTTACATGCCTTTGAAGTTATAATGTCTGTATCT
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AATCATCCACAGTTGTGTGAAGAACTCTTTGAGAAGTCAATGACAATTGTAATGAAGAAATGTCTTAC
TCTGTAGAGGTGAGCTACATGGAAATTTACTGTGAGAGAGTACGAGATTTACTGAATCCCAAAAACAAGG
GTAACCTTGGTGTGCGTGAACACCCGCTTCTTGGACCCTATGTGGAGGATCTGTCCAAGCTGGCGGTAC
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AATGAGACAAGCAGCCGTTCTCACGCTGTGTTACCATTGTCTTTACCCAGAAGAACAAGGATCCTGAGA
CGAACCTTCTACTGAGAAGGTCAGTAAAATCAGCTTGGTGGATCTAGCAGGAAGTGAACGGGCTGATTC
AACTGGTGCCAAAGGAACTCGATTAAGGAAGGTGCAAATATCAATAAGTCCCTTACAACCTTTGGGCAAA
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AGGACCTTCTTCGTGCTCAGGGACTGGGAGATATTATTGATACATCCATGGGGTCCCTCACTTCATCTCC
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CCTGGGAAGAGAACTTCGTAACAGAGGCCATCAGAATGGAGAGAGAAGCCTTGTGGCTGAGATGGG
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CTCAATGAAGACCATAATGTCCGAGTGTTCCTATTACATCAAGGATGGAATTACAAGGGTTGGCC



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AGGCAGATGCTGAGCGGCCAGGACATAGTGCTGAGTGGGGCCACATTAAGAGGAGCATTGTCTCTT
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GTGAATGGCAAGAGGGTGGCTCATCCTGTTTCAGCTGCGCTCAGGGAACCGTATCATCATGGGTAACAAAC
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TGGAGCAGCAGAGACTGGACGCGGATTCTGATAGCGGGGACGATTCTGACAAGCGATCCTGTGAAGAGAG
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GATCCAGCTTTTAGACGTGGACGCTACGTTGGATGAGGCAAGAACAATTCGGTTAAGAACCTGCAAC
AGCAAGAGATAACAAAGCAGCTTCGTCGGCAGAACGTACCCACAGGTTTCATCCCTCCTGAGAACCAGGAA
GCCCGCTTTCCCTTTAAGAGCAATCCTAAACACAGAACTCTTGGAGTCTGGGACACATATTATTATA
ACAGAAGATGAGGTTATTGAGCTAAGAATTCAAAAGATGAAGAAGGAAGAAAAGGAAATAAAGAAGAAA
GCCAAGAAAAAGTGGGCAGAGCAGCTTCTAGAGATGTACAGTCAAGTGGGGCACAAGAAGTCAAGGATCA
TATCCAAGTTAGCAAACAGCACATCAGCAACCAAGCCACCTCAGCTACGGTGGGAAGCAATTCT
CTCAATAACGGCCAACCGAAAACACGCGCTGCCAGGCGACTGCCTCCTCGGAGTCCCTAAACTCCACACA
GCGGTACCCACCGCTGATCTACAAACTTTCCAGGCCAAGCGTACATTACCAACACCCGGCAGCCTTA
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CAGGTCGAGAACCACAGTCTAG
    
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ACGGCTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_008441

Insert Size:

3453 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: [NM_008441.2](#), [NP_032467.2](#)

RefSeq Size: 7066 bp

RefSeq ORF: 3453 bp

Locus ID: 16561

UniProt ID: [Q60575](#)

Cytogenetics: 4 79.05 cM

Gene Summary: Motor for anterograde transport of mitochondria. Has a microtubule plus end-directed motility.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) contains multiple coding region differences, including an alternate 3' terminal exon, compared to variant 3. It encodes isoform a, which is shorter and has a distinct C-terminus, compared to isoform c.