

Product datasheet for **MC229670**

Kif1b (NM_001290995) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif1b (NM_001290995) 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:	>MC229670 representing NM_001290995 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGGAGCCTCTGTGAAGGTCGCTGTTTCGAGTGAGGCCCTTCAATTCTCGAGAGACCAGCAAGGAGT
CCAAGTGCATCATTGAGTGAAGGCAACTCGACCAGTATTATTAACCCAAAGAACCCAAAGGAAGCACC
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 GATGCTGTTCTTTCCCTGAACATCATCTCTGCTAAGTCCCTGAAGGTGCCACAGCTCCAGCAGGACCT
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 ACCTCCACCAGCATCTCCTCTCAGATCTCAACCACCACCTTTGAAAGCGCCATCACACCGAGCGAGAGCA
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 GCAGGGAAGAATGAATTTCTCAATCTTGTTCAGACATTGAAGAAGTCAAGGAGGAGTCAAGTGGTATCTA
 AGAAAGGATACCTGCATTTCAAAGAGCCACTTCCAGTAACTGGGCTAAACATTTCTGTTGTGGTTCGTCG

CCCTTACGTCTTCATCTATAACAGTGACAAAGACCCAGTAGAGCGTGGCATCATTAACTGTCTACAGCA
CAGGTGGAGTACAGCGAGGACCAGCAGGCCATGGTGAAGACACCTAATACTTTTGTGTATGCACAAAGC
ACCGTGGGGTCTTCTGCAAGCTCTCAATGACAAAGACATGAATGACTGGTTATATGCCTTTAACCCACT
TCTGGCTGGCACAATAAGGTCAAACCTCTCTCGCAGATGCCCGAGCCAGCCAAAGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001290995
Insert Size:	5451 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001290995.1</u> , <u>NP_001277924.1</u>
RefSeq Size:	10288 bp
RefSeq ORF:	5451 bp
Locus ID:	16561
UniProt ID:	<u>Q60575</u>
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 (3) represents the longest transcript and encodes the longest isoform (c).