

## Product datasheet for MR231881

### Kif1b (NM\_001290995) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kif1b (NM_001290995) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kif1b
Synonyms:	A530096N05Rik; AI448212; AI506502; D4Mil1e; KIF1Bp130; KIF1Bp204
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR231881 representing NM_001290995 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

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**Protein Sequence:**

>MR231881 representing NM\_001290995  
 Red=Cloning site Green=Tags(s)

MSGASVKVAVRVRPFNSRETSKESKCI IQMQGNSTSI INPKNPKEAPKSF SFDYSYWSHTSPEDPCFASQ  
 NRVYNDIGKEMLLHAFEGYNVCIFAYGQTGAGKSYTMMGKQEE SQAGIIPQLCEELFEKINDNCNEEMSY  
 SVEVSYMEIYCERVRDLLNPKNGNLRVREHPLLGPYVEDLSKLAVTSYTDIADLMDAGNKARTVAATNM  
 NETSSRSHAVFTIVFTQKKQDPETNLSTEVKISLVDLAGSERADSTGAKGTRLKEGANINKSLTTLGK  
 VISALAEVDNCTSKSKKKKTDIFIPYRDSVLTWLLRENLGGNSRTAMVAALSPADINYDETLSTLRADR  
 AKQIKCNAVINEDPNAKLVRELKEEVTRKDLLRAQGLGDIIDIDPLIDDYSGSGKYLKDFQNNKHRYL  
 LASENQRPGNFSTASMGSLTSSPSSCSLNSQVGLTSVTSIQERIMSTPGGEEAIERLKESEKIIAELNET  
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 TKDVC MVFYSRDAKISPPRSLRNLFGSGYSKSPDSNRVTGIYELSLCKMADTGSPGMQRRRRKVLDT SVA  
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 TSTISSQISTTTFESAITPSESSGYDSADVESLVDREKELATKCLQLLTHTFNREFSQVHGSISDCKLS  
 DISPIGRDPSVSSFSSSTLTPSSTCPSLVDSRSSMDQKTPEANSRASSPCQEFQFQIVPTVETPYLAR  
 AGKNEFLNLVPDIEEV RAGSVVSKKGYLHFKEPLSSNWAKHFVVRRPYVFIYNSDKDPVERGIINLSTA  
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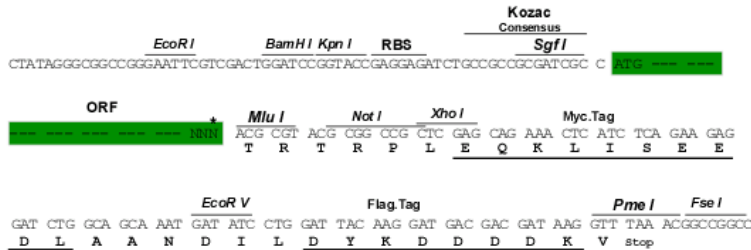
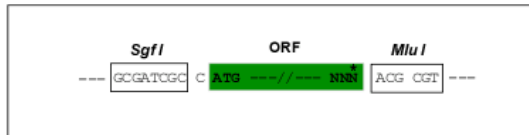
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001290995

**ORF Size:** 5448 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001290995.1](#), [NP\\_001277924.1](#)

**RefSeq Size:** 10288 bp

**RefSeq ORF:** 5451 bp

**Locus ID:** 16561

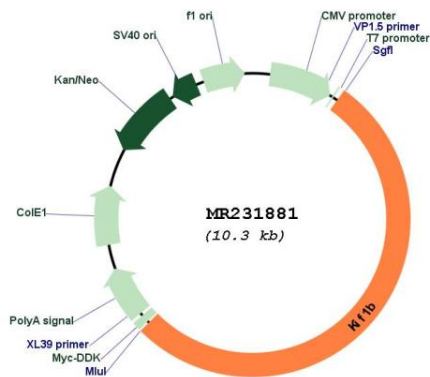
**UniProt ID:** [Q60575](#)

**Cytogenetics:** 4 79.05 cM

**MW:** 204.5 kDa

**Gene Summary:** Motor for anterograde transport of mitochondria. Has a microtubule plus end-directed motility.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR231881