

Product datasheet for **MG210881**

Kif18b (NM_197959) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif18b (NM_197959) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Kif18b
Synonyms:	3000004C01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210881 representing NM_197959
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGATGGCTGTGGAAGACAGCGTGGTTCGGGTGGTCGTGCGGGTGAAGCCTCCACCCCTAAGGAGC
 TAGAGAGTCAGCGCGGCCCTGTGATTACAGTGGTAGACGAGCGGATGCTGGTATTTGACCCCGAGGAGTG
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 GCCGGGACTTTCTTTCCACCAGCCAGCCTCAGCCGAGCAGTTACTTGAGATGCTGACAAGAGGCAACTGT
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 TCCACAGTAGCACCTGAAGAAGCCAAACAGACCTTCACTGTCCAGAGCCACCCTTGAGCCCCACTG
 CCTTGATGACCAGGACTCCTAAAGGACTGACTGGGGTACAGAGTCTAT

ACGGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210881 representing NM_197959
 Red=Cloning site Green=Tags(s)

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MVMAVEDSVVRVVRPPTPKELESQRRPVIQVVDERMLVFDPEECDGGFPGLKWSGSHNGPKKKGKDL
TFVFDVDFGEMATQEDVFQHTTHNILDSDLQGYNCVSFAYGATGAGKTHMLGREGEPGIMYLTMMELYR
RLEARQEEKQFEVLISYLEVYNEQIHDLLEPKGPLTIREDPDKGVVVPGLSFHQPASAEQLLEMLTRGNC
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KEIRLTLKSNVISVDHHISQYATICQQLQAEVAFLREKLQMYEAGAALQQCSPQPPTLSIPQSLSSSS
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VTASKKRRTMRPSVSRGRSCARLHSSTLKKPNRPFTVPEPPLSPHCLDDQRTPKGLTGVTESY
  
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TRTRPLE - GFP Tag - V

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_197959.2](#), [NP_932063.2](#)

RefSeq Size: 3345 bp

RefSeq ORF: 2505 bp

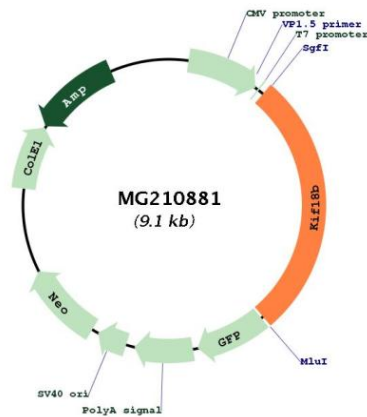
Locus ID: 70218

UniProt ID: [Q6PFD6](#)

Cytogenetics: 11 E1

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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210881