

Product datasheet for RG221574

KIF18B (NM_001080443) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: KIF18B (NM_001080443) Human Tagged ORF Clone

Tag: TurboGFP Symbol: KIF18B

Synonyms: kinesin family member 18B

Mammalian Cell Neomycin

Selection:

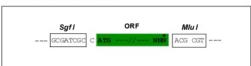
Vector: pCMV6-AC-GFP (PS100010)

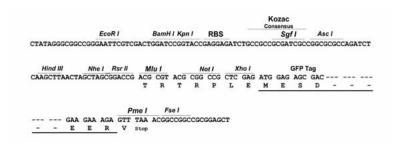
E. coli Selection: Ampicillin (100 ug/mL)

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:





ACCN: NM_001080443

ORF Size: 2565 bp



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



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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: <u>NM 001080443.1</u>, <u>NP 001073912.1</u>

 RefSeq Size:
 2669 bp

 RefSeq ORF:
 2567 bp

 Locus ID:
 146909

 Cytogenetics:
 17q21.31

Protein Families: Druggable Genome

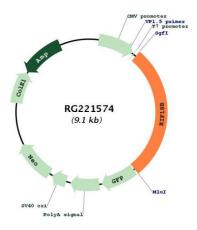
Gene Summary: In complex with KIF2C, constitutes the major microtubule plus-end depolymerizing activity in

mitotic cells. Its major role may be to transport KIF2C and/or MAPRE1 along microtubules.

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RG221574