

Product datasheet for **MR215374**

Kif16b (NM_001081133) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif16b (NM_001081133) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kif16b
Synonyms:	8430434E15Rik; AA623607; AI789011; C80253; C80902; mKIAA1590
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215374 representing NM_001081133 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR215374 representing NM_001081133
 Red=Cloning site Green=Tags(s)

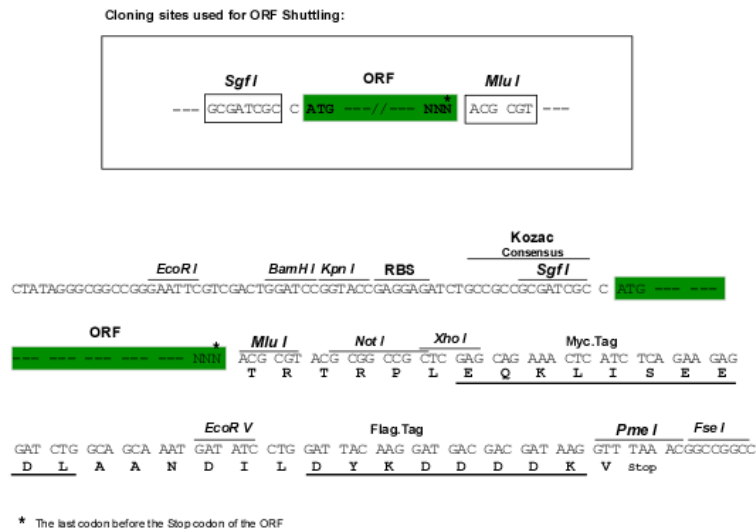
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Chromatograms: https://cdn.origene.com/chromatograms/mm9094_e10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

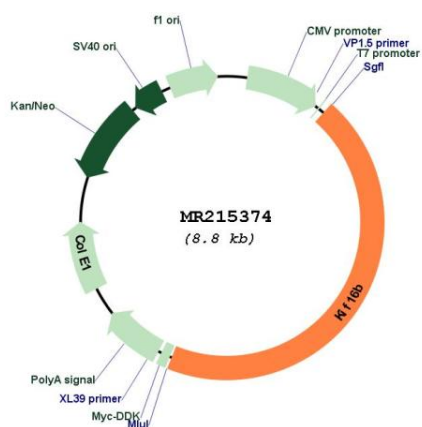


ACCN: NM_001081133

ORF Size: 3936 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001081133.2 , NP_001074602.1
RefSeq Size:	5446 bp
RefSeq ORF:	3939 bp
Locus ID:	16558
UniProt ID:	B1AVY7
Cytogenetics:	2 G1
MW:	150.1 kDa
Gene Summary:	Plus end-directed microtubule-dependent motor protein involved in endosome transport and receptor recycling and degradation. Regulates the plus end motility of early endosomes and the balance between recycling and degradation of receptors such as EGF receptor (EGFR) and FGF receptor (FGFR). Regulates the Golgi to endosome transport of FGFR-containing vesicles during early development, a key process for developing basement membrane and epiblast and primitive endoderm lineages during early postimplantation development. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215374