

Product datasheet for **MR215374L3V**

Kif16b (NM_001081133) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Kif16b (NM_001081133) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Kif16b |
| Synonyms: | 8430434E15Rik; AA623607; AI789011; C80253; C80902; mKIAA1590 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_001081133 |
| ORF Size: | 3936 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR215374). |
| 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. |
| RefSeq: | NM_001081133.2 , NP_001074602.1 |
| RefSeq Size: | 5446 bp |
| RefSeq ORF: | 3939 bp |
| Locus ID: | 16558 |
| UniProt ID: | B1AVY7 |
| Cytogenetics: | 2 G1 |


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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]