

## Product datasheet for **MR215798L4V**

### **Kif21b (NM\_001039472) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Kif21b (NM_001039472) Mouse Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Kif21b   |
| Synonyms:                 | 2610511N21Rik; mKIAA0449   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001039472   |
| ORF Size:                 | 4872 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR215798).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_001039472.1</a>   |
| RefSeq Size:              | 9119 bp  |
| RefSeq ORF:               | 4875 bp  |
| Locus ID:                 | 16565  |
| UniProt ID:               | <a href="#">Q9QXL1</a>   |
| Cytogenetics:             | 1 59.61 cM   |



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**Gene Summary:**

Plus-end directed microtubule-dependent motor protein which displays processive activity (PubMed:27117409, PubMed:10225949). Is involved in regulation of microtubule dynamics, synapse function and neuronal morphology, including dendritic tree branching and spine formation (PubMed:27117409). Plays a role in learning and memory (PubMed:27117409). Involved in delivery of gamma-aminobutyric acid (GABA(A)) receptor to cell surface (PubMed:25172774).[UniProtKB/Swiss-Prot Function]