

## Product datasheet for **MR201737L4V**

### **Arl8b (NM\_026011) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

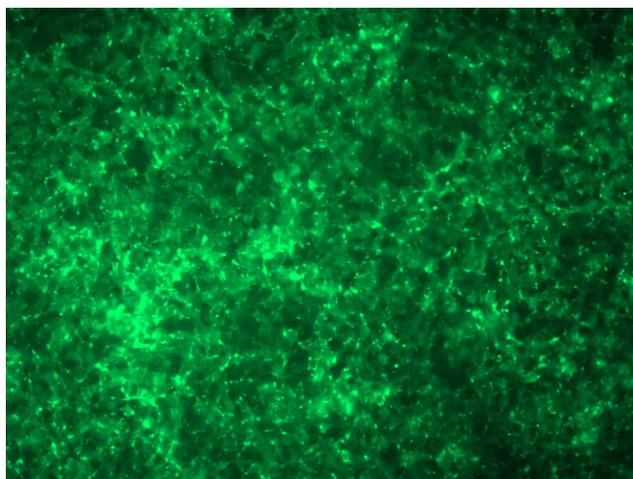
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Lentiviral Particles                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Name:             | Arl8b (NM_026011) Mouse Tagged ORF Clone Lentiviral Particle                                                                                                                                                                                                                                                                                                                                                                                       |
| Symbol:                   | Arl8b                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Synonyms:                 | 2610313E07Rik; 3100002J04Rik; Arl10c; gie1                                                                                                                                                                                                                                                                                                                                                                                                         |
| Mammalian Cell Selection: | Puromycin                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag:                      | mGFP                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:                     | NM_026011                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORF Size:                 | 558 bp                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR201737).                                                                                                                                                                                                                                                                                                                                                                                     |
| 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_026011.3</a> , <a href="#">NP_080287.1</a>                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:              | 2928 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq ORF:               | 561 bp                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Locus ID:                 | 67166                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt ID:               | <a href="#">Q9CQW2</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:             | 6 E2                                                                                                                                                                                                                                                                                                                                                                                                                                               |



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**Gene Summary:** Plays a role in lysosome motility (PubMed:30174114). In neurons, mediates the anterograde axonal long-range transport of presynaptic lysosome-related vesicles required for presynaptic biogenesis and synaptic function (PubMed:30174114). May play a role in chromosome segregation (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



[MR201737L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR201737L4V particle to overexpress human Arl8b-mGFP fusion protein.