

## Product datasheet for **MR202421L4V**

### Rab39 (NM\_175562) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Lentiviral Particles                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Name:             | Rab39 (NM_175562) Mouse Tagged ORF Clone Lentiviral Particle                                                                                                                                                                                                                                                                                                                                                                                       |
| Symbol:                   | Rab39                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Synonyms:                 | C230094F14Rik; Rab39a                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Mammalian Cell Selection: | Puromycin                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag:                      | mGFP                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:                     | NM_175562                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORF Size:                 | 651 bp                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR202421).                                                                                                                                                                                                                                                                                                                                                                                     |
| 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_175562.3</a> , <a href="#">NP_780771.1</a>                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:              | 2971 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq ORF:               | 654 bp                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Locus ID:                 | 270160                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt ID:               | <a href="#">Q8BHD0</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:             | 9 A5.3                                                                                                                                                                                                                                                                                                                                                                                                                                             |



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**Gene Summary:**

Plays a role in the maturation and acidification of phagosomes that engulf pathogens, such as *S.aureus* and *M.tuberculosis*. Plays a role in vesicular trafficking. Plays a role in the fusion of phagosomes with lysosomes. Negatively regulates LPS-induced autophagosome formation in macrophages possibly by implicating PI3K (By similarity). May be involved in multiple neurite formation (PubMed:23624502).[UniProtKB/Swiss-Prot Function]