

## Product datasheet for **MR202053L4V**

### Rab35 (NM\_198163) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Rab35 (NM_198163) Mouse Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Rab35  |
| Synonyms:                 | 9530019H02Rik; AU040256; H-ray; RAB1C; RAY   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_198163  |
| ORF Size:                 | 606 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR202053).   |
| 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_198163.1</a> , <a href="#">NP_937806.1</a>  |
| RefSeq Size:              | 2181 bp  |
| RefSeq ORF:               | 606 bp   |
| Locus ID:                 | 77407  |
| UniProt ID:               | <a href="#">Q6PHN9</a>   |
| Cytogenetics:             | 5 F  |



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**Gene Summary:**

The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab is involved in the process of endocytosis and is an essential rate-limiting regulator of the fast recycling pathway back to the plasma membrane. During cytokinesis, required for the postfurlowing terminal steps, namely for intercellular bridge stability and abscission, possibly by controlling phosphatidylinositol 4,5-bis phosphate (PIP2) and SEPT2 localization at the intercellular bridge. May indirectly regulate neurite outgrowth. Together with TBC1D13 may be involved in regulation of insulin-induced glucose transporter SLC2A4/GLUT4 translocation to the plasma membrane in adipocytes.[UniProtKB/Swiss-Prot Function]