

# Product datasheet for MR207517L3V

## Rgs7 (BC051133) Mouse Tagged ORF Clone Lentiviral Particle

### **Product data:**

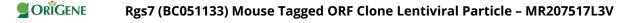
#### **Product Type: Lentiviral Particles Product Name:** Rgs7 (BC051133) Mouse Tagged ORF Clone Lentiviral Particle Symbol: Rgs7 Mammalian Cell Puromycin Selection: Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092) Myc-DDK Tag: ACCN: BC051133 **ORF** Size: 1410 bp The ORF insert of this clone is exactly the same as(MR207517). **ORF** Nucleotide Sequence: **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 This clone was engineered to express the complete ORF with an expression tag. Expression **OTI** Annotation: varies depending on the nature of the gene. **RefSeq:** BC051133.1 **RefSeq Size:** 2462 bp **RefSeq ORF:** 1412 bp Locus ID: 24012 1 81.11 cM Cytogenetics:



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Gene Summary:Regulates G protein-coupled receptor signaling cascades. Inhibits signal transduction by<br/>increasing the GTPase activity of G protein alpha subunits, thereby driving them into their<br/>inactive GDP-bound form. The RGS7/GNB5 dimer enhances GNAO1 GTPase activity. May play<br/>a role in synaptic vesicle exocytosis. Modulates the activity of potassium channels that are<br/>activated by GNAO1 in response to muscarinic acetylcholine receptor M2/CHRM2 signaling.<br/>[UniProtKB/Swiss-Prot Function]

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