

Product datasheet for **MR208068L3V**

Arhgap22 (BC038272) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Arhgap22 (BC038272) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Arhgap22 |
| Synonyms: | MGC47316, RHOGAP2 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | BC038272 |
| ORF Size: | 1506 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR208068). |
| 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 |
| 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: | BC038272 , AAH38272 |
| RefSeq Size: | 2108 bp |
| RefSeq ORF: | 1508 bp |
| Locus ID: | 239027 |
| Cytogenetics: | 14 B |



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Gene Summary:

Rho GTPase-activating protein involved in the signal transduction pathway that regulates endothelial cell capillary tube formation during angiogenesis. Acts as a GTPase activator for the RAC1 by converting it to an inactive GDP-bound state. Inhibits RAC1-dependent lamellipodia formation. May also play a role in transcription regulation via its interaction with VEZF1, by regulating activity of the endothelin-1 (EDN1) promoter.[UniProtKB/Swiss-Prot Function]