

Product datasheet for **RR201148L4V**

Rap1a (NM_001005765) Rat Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Rap1a (NM_001005765) Rat Tagged ORF Clone Lentiviral Particle |
| Symbol: | Rap1a |
| Synonyms: | RAP-1A; rap 1A |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001005765 |
| ORF Size: | 552 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RR201148). |
| 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: | NM_001005765.1 , NP_001005765.1 |
| RefSeq Size: | 2458 bp |
| RefSeq ORF: | 555 bp |
| Locus ID: | 295347 |
| UniProt ID: | P62836 |
| Cytogenetics: | 2q34 |



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Gene Summary:

Induces morphological reversion of a cell line transformed by a Ras oncogene. Counteracts the mitogenic function of Ras, at least partly because it can interact with Ras GAPs and RAF in a competitive manner. Together with ITGB1BP1, regulates KRIT1 localization to microtubules and membranes (By similarity). Plays a role in nerve growth factor (NGF)-induced neurite outgrowth. Plays a role in the regulation of embryonic blood vessel formation. Involved in the establishment of basal endothelial barrier function. May be involved in the regulation of the vascular endothelial growth factor receptor KDR expression at endothelial cell-cell junctions. [UniProtKB/Swiss-Prot Function]