**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RC220913L4V

## RASA4 (NM_006989) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | RASA4 (NM_006989) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | RASA4 |
| **Synonyms:** | CAPRI; GAPL |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_006989 |
| **ORF Size:** | 2409 bp |
| **ORF Nucleotide Sequence:** | `The ORF insert of this clone is exactly the same as(RC220913).` |
| **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_006989.3 |
| **RefSeq Size:** | 5579 bp |
| **RefSeq ORF:** | 2412 bp |
| **Locus ID:** | 10156 |
| **UniProt ID:** | O43374 |
| **Cytogenetics:** | 7q22.1 |
| **Domains:** | C2, BTK, PH, RasGAP |
| **Protein Families:** | Druggable Genome |

View online »

**MW:** 90.5 kDa

**Gene Summary:** This gene encodes a member of the GAP1 family of GTPase-activating proteins that suppresses the Ras/mitogen-activated protein kinase pathway in response to Ca(2+). Stimuli that increase intracellular Ca(2+) levels result in the translocation of this protein to the plasma membrane, where it activates Ras GTPase activity. Consequently, Ras is converted from the active GTP-bound state to the inactive GDP-bound state and no longer activates downstream pathways that regulate gene expression, cell growth, and differentiation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]