

Product datasheet for **RC211359L4V**

RIC8 (RIC8A) (NM_021932) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | RIC8 (RIC8A) (NM_021932) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | RIC8 |
| Synonyms: | RIC8 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_021932 |
| ORF Size: | 1611 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC211359). |
| 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_021932.4 |
| RefSeq Size: | 2714 bp |
| RefSeq ORF: | 1614 bp |
| Locus ID: | 60626 |
| UniProt ID: | Q9NPQ8 |
| Cytogenetics: | 11p15.5 |
| MW: | 60.4 kDa |



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Gene Summary:

Guanine nucleotide exchange factor (GEF), which can activate some, but not all, G-alpha proteins. Able to activate GNAI1, GNAO1 and GNAQ, but not GNAS by exchanging bound GDP for free GTP. Involved in regulation of microtubule pulling forces during mitotic movement of chromosomes by stimulating G(i)-alpha protein, possibly leading to release G(i)-alpha-GTP and NuMA proteins from the NuMA-GPSM2-G(i)-alpha-GDP complex (By similarity). Also acts as an activator for G(q)-alpha (GNAQ) protein by enhancing the G(q)-coupled receptor-mediated ERK activation.[UniProtKB/Swiss-Prot Function]