

## Product datasheet for **RC206919L4V**

### **PALM2 (PALM2AKAP2) (NM\_001037293) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | PALM2 (PALM2AKAP2) (NM_001037293) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | PALM2AKAP2   |
| Synonyms:                 | AKAP-2; AKAP-KL; AKAP2; AKAPKL; MISP2; PALM2; PALM2-AKAP2; PRKA2   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001037293   |
| ORF Size:                 | 1131 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC206919).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_001037293.1</a> , <a href="#">NP_001032370.1</a>  |
| RefSeq Size:              | 9286 bp  |
| RefSeq ORF:               | 1140 bp  |
| Locus ID:                 | 445815   |
| UniProt ID:               | <a href="#">Q8IXS6</a>   |
| Cytogenetics:             | 9q31.3   |
| MW:                       | 42 kDa   |



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**Gene Summary:**

This gene belongs to the paralemmin downstream gene (PDG) family defined in PMID:22855693. Paralemmin downstream genes may have evolved contiguously with the paralemmin genes and are associated with other paralemmin paralogs in humans and several other taxa. The gene encodes three distinct protein isoforms, the PALM2 isoform, the AKAP2 isoform and the PALM2-AKAP2 isoform. The biological significance of the PALM2-AKAP2 isoforms is yet unknown. Earlier, PALM2 and AKAP2 were annotated as separate genes and PALM2-AKAP2 was annotated as a readthrough gene. [provided by RefSeq, May 2019]