

## Product datasheet for **RC221785L4V**

### PPA2 (NM\_176867) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | PPA2 (NM_176867) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | PPA2   |
| Synonyms:                 | HSPC124; SCFAI; SCFI; SID6-306   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_176867  |
| ORF Size:                 | 504 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC221785).   |
| 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_176867.3</a> , <a href="#">NP_789843.2</a>  |
| RefSeq Size:              | 1184 bp  |
| RefSeq ORF:               | 507 bp   |
| Locus ID:                 | 27068  |
| UniProt ID:               | <a href="#">Q9H2U2</a>   |
| Cytogenetics:             | 4q24   |
| Protein Pathways:         | Oxidative phosphorylation  |
| MW:                       | 15.8 kDa   |



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**Gene Summary:**

The protein encoded by this gene is localized to the mitochondrion, is highly similar to members of the inorganic pyrophosphatase (PPase) family, and contains the signature sequence essential for the catalytic activity of PPase. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]