

## Product datasheet for **RC220166L3V**

### PLAA (NM\_001031689) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | PLAA (NM_001031689) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | PLAA   |
| Synonyms:                 | DOA1; NDMSBA; PLA2P; PLAP  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_001031689   |
| ORF Size:                 | 2385 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC220166).   |
| 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_001031689.1</a>   |
| RefSeq Size:              | 2719 bp  |
| RefSeq ORF:               | 2388 bp  |
| Locus ID:                 | 9373   |
| UniProt ID:               | <a href="#">Q9Y263</a>   |
| Cytogenetics:             | 9p21.2   |
| MW:                       | 87 kDa   |


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**Gene Summary:**

Plays a role in protein ubiquitination, sorting and degradation through its association with VCP (PubMed:27753622). Involved in ubiquitin-mediated membrane proteins trafficking to late endosomes in an ESCRT-dependent manner, and hence plays a role in synaptic vesicle recycling (By similarity). May play a role in macroautophagy, regulating for instance the clearance of damaged lysosomes (PubMed:27753622). Plays a role in cerebellar Purkinje cell development (By similarity). Positively regulates cytosolic and calcium-independent phospholipase A2 activities in a tumor necrosis factor alpha (TNF-alpha)- or lipopolysaccharide (LPS)-dependent manner, and hence prostaglandin E2 biosynthesis (PubMed:18291623, PubMed:28007986).[UniProtKB/Swiss-Prot Function]