

## Product datasheet for **RC228339L4V**

### Perilipin 3 (PLIN3) (NM\_001164194) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Perilipin 3 (PLIN3) (NM_001164194) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Perilipin 3  |
| Synonyms:                 | M6PRBP1; PP17; TIP47   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001164194   |
| ORF Size:                 | 1266 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC228339).   |
| 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_001164194.1</a>   |
| RefSeq ORF:               | 1269 bp  |
| Locus ID:                 | 10226  |
| UniProt ID:               | <a href="#">O60664</a>   |
| Cytogenetics:             | 19p13.3  |
| Protein Families:         | Druggable Genome   |
| MW:                       | 45.6 kDa   |



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**Gene Summary:**

Mannose 6-phosphate receptors (MPRs) deliver lysosomal hydrolase from the Golgi to endosomes and then return to the Golgi complex. The protein encoded by this gene interacts with the cytoplasmic domains of both cation-independent and cation-dependent MPRs, and is required for endosome-to-Golgi transport. This protein also binds directly to the GTPase RAB9 (RAB9A), a member of the RAS oncogene family. The interaction with RAB9 has been shown to increase the affinity of this protein for its cargo. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2009]