

## Product datasheet for **RC200242L2V**

### HRASLS3 (PLA2G16) (NM\_007069) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | HRASLS3 (PLA2G16) (NM_007069) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | HRASLS3  |
| Synonyms:                 | AdPLA; H-REV107; H-REV107-1; HRASLS3; HREV107; HREV107-1; HREV107-3; HRSL3; PLA2G16; PLAAT-3   |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_007069  |
| ORF Size:                 | 486 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC200242).   |
| 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_007069.1</a>  |
| RefSeq Size:              | 1070 bp  |
| RefSeq ORF:               | 489 bp   |
| Locus ID:                 | 11145  |
| UniProt ID:               | <a href="#">P53816</a>   |
| Cytogenetics:             | 11q12.3-q13.1  |
| Domains:                  | NC   |



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|                          |   |
|--------------------------|---|
| <b>Protein Families:</b> | Druggable Genome, Transmembrane   |
| <b>MW:</b>               | 17.9 kDa  |
| <b>Gene Summary:</b>     | <p>Exhibits both phospholipase A1/2 and acyltransferase activities (PubMed:19615464, PubMed:19047760, PubMed:22825852, PubMed:22605381, PubMed:26503625). Shows phospholipase A1 (PLA1) and A2 (PLA2) activity, catalyzing the calcium-independent release of fatty acids from the sn-1 or sn-2 position of glycerophospholipids (PubMed:19615464, PubMed:19047760, PubMed:22825852, PubMed:22605381, PubMed:22923616). For most substrates, PLA1 activity is much higher than PLA2 activity (PubMed:19615464). Shows O-acyltransferase activity, catalyzing the transfer of a fatty acyl group from glycerophospholipid to the hydroxyl group of lysophospholipid (PubMed:19615464). Shows N-acyltransferase activity, catalyzing the calcium-independent transfer of a fatty acyl group at the sn-1 position of phosphatidylcholine (PC) and other glycerophospholipids to the primary amine of phosphatidylethanolamine (PE), forming N-acylphosphatidylethanolamine (NAPE), which serves as precursor for N-acylethanolamines (NAEs) (PubMed:19615464, PubMed:19047760, PubMed:22825852, PubMed:22605381). Exhibits high N-acyltransferase activity and low phospholipase A1/2 activity (PubMed:22825852).[UniProtKB/Swiss-Prot Function]</p> |