

Product datasheet for **RC209497L4V**

sphingosine 1 phosphate phosphatase 1 (SGPP1) (NM_030791) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|------------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | sphingosine 1 phosphate phosphatase 1 (SGPP1) (NM_030791) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | sphingosine 1 phosphate phosphatase 1 |
| Synonyms: | SPP-1; SPPase1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_030791 |
| ORF Size: | 1323 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC209497). |
| 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. More info |
| 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: | NM_030791.2 |
| RefSeq Size: | 3323 bp |
| RefSeq ORF: | 1326 bp |
| Locus ID: | 81537 |
| UniProt ID: | Q9BX95 |
| Cytogenetics: | 14q23.2 |
| Domains: | acidPPc |



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Protein Families: Druggable Genome, Phosphatase, Transmembrane

Protein Pathways: Sphingolipid metabolism

MW: 49.1 kDa

Gene Summary: Sphingosine-1-phosphate (S1P) is a bioactive sphingolipid metabolite that regulates diverse biologic processes. SGPP1 catalyzes the degradation of S1P via salvage and recycling of sphingosine into long-chain ceramides (Mandala et al., 2000 [PubMed 10859351]; Le Stunff et al., 2007 [PubMed 17895250]).[supplied by OMIM, Jun 2009]