

Product datasheet for **RC201344L2V**

OSBPL2 (NM_144498) Human Tagged ORF Clone Lentiviral Particle

Product data:

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| Product Type: | Lentiviral Particles |
| Product Name: | OSBPL2 (NM_144498) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | OSBPL2 |
| Synonyms: | DFNA67; DNFA67; ORP-2; ORP2 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_144498 |
| ORF Size: | 1440 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC201344). |
| 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_144498.1 |
| RefSeq Size: | 4027 bp |
| RefSeq ORF: | 1443 bp |
| Locus ID: | 9885 |
| UniProt ID: | Q9H1P3 |
| Cytogenetics: | 20q13.33 |
| Domains: | Oxysterol_BP |
| MW: | 55.2 kDa |


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Gene Summary:

This gene encodes a member of the oxysterol-binding protein (OSBP) family, a group of intracellular lipid receptors. Most members contain an N-terminal pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain, although the encoded protein contains only the sterol-binding domain. In vitro studies have shown that the encoded protein can bind strongly to phosphatic acid and weakly to phosphatidylinositol 3-phosphate, but cannot bind to 25-hydroxycholesterol. The protein associates with the Golgi apparatus. Transcript variants encoding different isoforms have been described. [provided by RefSeq, Sep 2014]