OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC201344L4V

OSBPL2 (NM_144498) Human Tagged ORF Clone Lentiviral Particle

Product data:

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:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
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]