

Product datasheet for RC201344L1

OSBPL2 (NM_144498) Human Tagged Lenti ORF Clone

Product data:

Tag:

Product Type: Expression Plasmids Product Name: OSBPL2 (NM 144498) Human Tagged Lenti ORF Clone Myc-DDK Symbol: OSBPL2 Synonyms: DFNA67; DNFA67; ORP-2; ORP2 **Mammalian Cell** None Selection: Vector: pLenti-C-Myc-DDK (PS100064) E. coli Selection: Chloramphenicol (34 ug/mL) The ORF insert of this clone is exactly the same as(RC201344). **ORF** Nucleotide Sequence:

Restriction Sites:

Cloning Scheme:

Cloning sites used for ORF Shuttling: ORF Sqf I Mlu I --- GCG ATC GC C ATG --- //--- NNN ACG CGT ---

Kozak EcoR I BamH I RBS Sgfl ORF CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGC C Mvc.Tag Mlu I Notl Xhol NNN ACG CGT ACG CGG CGC CTC GAG CAG AAA CTC ATC TCA GAA GAG T R T R P L E O K L I S F F DDK.Tag GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGCC D L A A N D I L D Y K D D D K V Stop

* The last codon before the Stop codon of the ORF.

ACCN: **ORF Size:** NM_144498 1440 bp

Sgfl-Mlul

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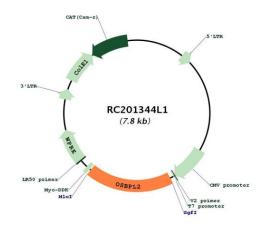
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SBPL2 (NM_144498) Human Tagged Lenti ORF Clone – RC201344L1	
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ 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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 144498.1</u>
RefSeq Size:	4027 bp
RefSeq ORF:	1443 bp
Locus ID:	9885
UniProt ID:	<u>Q9H1P3</u>
Cytogenetics:	20q13.33
Domains:	Oxysterol_BP
MW:	55.2 kDa
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

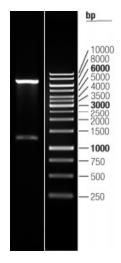
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RefSeq, Sep 2014]

Product images:



Circular map for RC201344L1



Double digestion of RC201344L1 using Sgfl and Mlul

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