

Product datasheet for RC201684L3

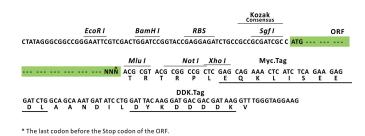
SACM1L (NM_014016) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	SACM1L (NM_014016) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	SACM1L
Synonyms:	SAC1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201684).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf1 ORF Miu I GCG ATC GC ATG // NNÑ ACG CGT



ACCN: ORF Size: NM_014016 1761 bp



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OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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 Metho	 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. 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 014016.2</u>
RefSeq Size:	3550 bp
RefSeq ORF:	1764 bp
Locus ID:	22908
UniProt ID:	<u>Q9NTJ5</u>
Cytogenetics:	3p21.31
Domains:	Syja_N
Protein Families:	Druggable Genome, Transmembrane
MW:	66.8 kDa

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Gene Summary:This gene encodes an integral membrane protein, which is localized to the endoplasmic
reticulum, and functions as a phosphoinositide phosphatase that hydrolyzes
phosphatidylinositol 3-phosphate, phosphatidylinositol 4-phosphate, and
phosphatidylinositol 3,5-bisphosphate. Deletion of this gene in mouse results in
preimplantation lethality. Other studies suggest that this gene is also involved in the
organization of golgi membranes and mitotic spindles. Alternatively spliced transcript
variants have been found for this gene. A C-terminally extended isoform is also predicted to
be produced by the use of an alternative in-frame, downstream translation termination
codon via a stop codon readthrough mechanism.[provided by RefSeq, Dec 2017]

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