

Product datasheet for RR203408L4

Apoe (NM_138828) Rat Tagged Lenti ORF Clone

Product data:

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 Type:	Expression Plasmids			
Product Name:	Apoe (NM_138828) Rat Tagged Lenti ORF Clone			
Tag:	mGFP			
Symbol:	Арое			
Synonyms:	APOEA			
Mammalian Cell Selection:	Puromycin			
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)			
E. coli Selection:	Chloramphenicol (34 ug/mL)			
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR203408).			
Restriction Sites:	Ascl-Mlul			
Cloning Scheme:	Cloning sites used for ORF Shuttling: Asc I ORF Mlu I GGC GCG CC C ATG // NNN ACG CGT			
	Kozak			

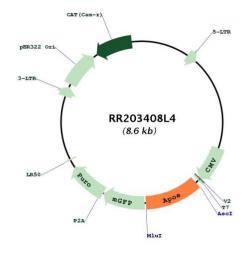
					Kozak Consensus	_	
	EcoR I	BamH I	RBS		Sgf I	Asc I	
CTATAGGGCGGCC	GGGAATTCGTC	GACTGGATCCG	GTACCGAGGAG	АТСТБСС	GCCGCGATCG	ວວວວວວວວ	CCCATG
ORF		Mlul	Notl_	Xho I	mGFP	Тад	
	NNŇ	ACG CGT AC		C GAG	ATG AGC GGC M S G	G GGC G -	<u> </u>
GGA CTC G L	CAGA GTT TGO	G GTA GGA AGO	2				

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



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Plasmid Map:



ACCN:	NM_138828
	-
ORF Size:	936 bp
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 138828.3, NP 620183.2</u>
RefSeq Size:	1172 bp
RefSeq ORF:	939 bp

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	Apoe (NM_138828) Rat Tagged Lenti ORF Clone – RR203408L4
Locus ID:	25728
UniProt ID:	<u>P02650</u>
Cytogenetics:	1q21
Gene Summary:	plays a role in plasma lipoprotein transport [RGD, Feb 2006]

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