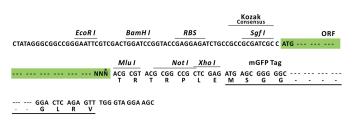


Product datasheet for RC230098L4

FLAD1 (NM_001184891) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLAD1 (NM_001184891) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	FLAD1
Synonyms:	FAD1; FADS; LSMFLAD; PP591
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(RC230098).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf1 ORF Miu I GCG ATC GC ATG // NNN ACG CGT



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



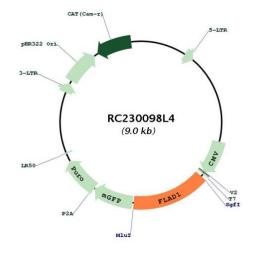
OriGene Technologies, Inc.

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Plasmid Map:



ORF Size:1338 bpOTI 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 infoOTI 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:1. Centrifuge at 5,000xg for 5min.S. Close the tube and incubate for 10 minutes at room temperature.A. Briefly vortex the tube and dad 100ul of sterile water to dissolve the DNA.S. Close the tube and incubate for 10 minutes at room temperature.A. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.S. Store the suspended plasmid t-20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.RefSeq ORF:1341 bpLocus ID:80308	ACCN:	NM_001184891
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	RefSeq:	<u>NM 001184891.1</u>
Locus ID: 80308	RefSeq ORF:	1341 bp
	Locus ID:	80308

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	FLAD1 (NM_001184891) Human Tagged Lenti ORF Clone – RC230098L4
UniProt ID:	<u>Q8NFF5</u>
Cytogenetics:	1q21.3
Protein Pathway	s: Metabolic pathways, Riboflavin metabolism
MW:	49.6 kDa
Gene Summary:	This gene encodes the enzyme that catalyzes adenylation of flavin mononucleotide (FMN) to form flavin adenine dinucleotide (FAD) coenzyme. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

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