

Product datasheet for MR224498L4

Adssl1 (NM_007421) Mouse Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids				
Product Name:	Adssl1 (NM_007421) Mouse Tagged Lenti ORF Clone				
Tag:	mGFP				
Symbol:	Adssl1				
Synonyms:	Adss; Adss1; Al528595				
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(MR224498).				
Restriction Sites:	Sgfl-Mlul				
Cloning Scheme:					
	Cloning sites used for ORF Shuttling:				
	Sgf I ORF Mlu I GCG ATC GC C ATG // NNN ACG CGT				

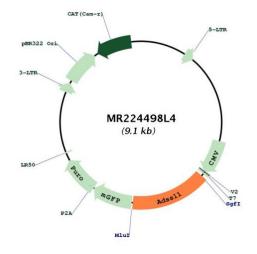
							Koza	ak Isus	_				
EcoR I	Bai	nH I	R	BS			S	gf I				01	₹F
CTATAGGGCGGCCGGGAATTCGTC	GACTGG	ATCCGG	TACCGAG	GAGA	тстб	ccgc	cGCG	ATCG		rg			
	Mlu I		Not	Xh	1 o I		m	GFP ⁻	Гаg				
NNŇ	ACG CG			а стс L	GAG E	ATG M	AGC S	GGG G	GGC		- :-		- <u>-</u> -
GGA CTC AGA GTT TGG G L R V	G GTA GG	A AGC				_							

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



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Plasmid Map:



ACCN:	NM_007421
ORF Size:	1371 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 007421.2, NP 031447.1</u>
RefSeq Size:	1806 bp
RefSeq ORF:	1374 bp
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	Adssl1 (NM_007421) Mouse Tagged Lenti ORF Clone – MR224498L4
Locus ID:	11565
UniProt ID:	<u>P28650</u>
Cytogenetics:	12 F1
Gene Summary:	Component of the purine nucleotide cycle (PNC), which interconverts IMP and AMP to regulate the nucleotide levels in various tissues, and which contributes to glycolysis and ammoniagenesis. Catalyzes the first committed step in the biosynthesis of AMP from IMP. [UniProtKB/Swiss-Prot Function]

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