

Product datasheet for RR200396L4

Grn (NM_017113) 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:	Grn (NM_017113) Rat Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Grn
Synonyms:	PGRN
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(RR200396).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling: Sgf I ORF Mlu I GCG ATC GC ATG// NNŇ ACG CGT

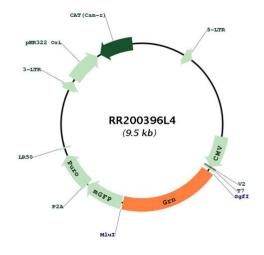
								_	Koza Conse	ak nsus	_				
EcoR I		Bam	нı		RI	35			S	gf I				o	RF
CTATAGGGCGGCCGGGAATTCGTC	GACT	GGA	rccgo	STACC	GAG	GAGA	тстб	CCGC	cGCG	ATCG	C C A	TG			
	Mlu I		Notl_Xhol				mGFP Tag								
NNŇ	ACG	CGT	ACG	CGG	CCG	стс	GAG	ATG	AGC	GGG	GGC				
	т	R	т	R	Р	L	E	M	S	G	G	-	-	-	-
GGA CTC AGA GTT TGG	G GTA	GGA	AGC												

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



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Plasmid Map:



ACCN:	NM_017113
ORF Size:	1806 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 017113.2</u> , <u>NP 058809.2</u>
RefSeq Size:	2190 bp
RefSeq ORF:	1809 bp

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	Grn (NM_017113) Rat Tagged Lenti ORF Clone – RR200396L4
Locus ID:	29143
UniProt ID:	<u>P23785</u>
Cytogenetics:	10q32.1
Gene Summary:	plays a role in regulation of epithelial cell growth [RGD, Feb 2006]

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