

# Product datasheet for RR209614L4

## Gkn1 (NM\_198972) Rat Tagged Lenti ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids		
Product Name:	Gkn1 (NM_198972) Rat Tagged Lenti ORF Clone		
Tag:	mGFP		
Symbol:	Gkn1		
Synonyms:	Amp18; Ca11; Fov; foveolin		
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(RR209614).		
<b>Restriction Sites:</b>	Sgfl-Mlul		
Cloning Scheme:	Cloning sites used for ORF Shuttling: Sgf I ORF M/u I GCG ATC GC ATG// NNN ACG CGT		

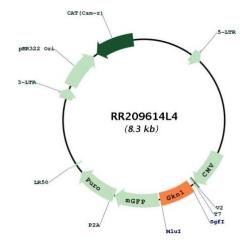
				Kozak Consensus	
EcoR I	BamHl	I RB	5	Sgf I	ORF
CTATAGGGCGGCCGGGAATTCGTC	GACTGGATCO	CGGTACCGAGG	AGATCTGO	CGCCGCGATCGC	C ATG
	Mlul	Noti	_Xho I	mGFP T	ag
NNŇ				ATG AGC GGG	
	TR	TRP	LE	M S G	G
GGA CTC AGA GTT TGG G L R V	i GTA GGA AG	GC			

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



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#### Plasmid Map:



ACCN:	NM_198972
ORF Size:	549 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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 198972.1, NP 945323.1</u>
RefSeq Size:	706 bp
RefSeq ORF:	552 bp

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Locus ID:	297418
Cytogenetics:	4q34
Gene Summary:	mouse homolog is a mitogenic stomach gene expressed at high levels specifically in cells of the antrum mucosa [RGD, Feb 2006]

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