

Product datasheet for RR213144L1

KI (NM_031336) 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:	KI (NM_031336) Rat Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	KI
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR213144).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgfi ORF Miui
	GCG ATC GC[C ATG // NNŇ ACG CGT
	Kozak Consensus
	EcoR I BamH I RBS Sgf I ORF CTATAGGGCGGGCGGGGAATTCGTCGATCGGATCCGGTGGCGGGGAATTCGTCGCCGCGGCGGGAATTCGTCGATCGGAGAATCTGCCGCCGCGGCGGGAATTCGTCGCGCGCG
	Miu I Not I Xho I Myc.Tag

 NNN
 ACG CGT ACG CGG CCG CTC GAG CAG AAA CTC ATC TCA GAA GAG

 T
 R
 T
 R
 P
 L
 E
 Q
 K
 L
 I
 S
 E
 E

 DDK.Tag
 DDK.Tag

DDK.Tag GAT CTG GCA ACT AAT GAT ATC CTG GAT TAC AAC GAT CAC GAC GAT AAC GTT TAA ACGGCCGGCC DLAANDILDYKDDDDKV Stop

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

ACCN: ORF Size: NM_031336 3042 bp



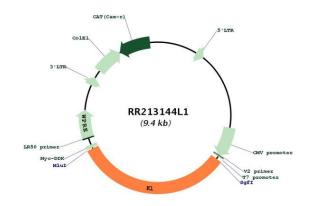
View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

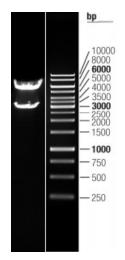
Gene KI (NM_031336) Rat Tagged Lenti ORF Clone – RR213144L1	
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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 031336.1, NP 112626.1</u>
RefSeq Size:	3525 bp
RefSeq ORF:	3045 bp
Locus ID:	83504
UniProt ID:	<u>Q9Z2Y9</u>
Cytogenetics:	12p12
Gene Summary:	may be involved in suprresion of aging phenotypes [RGD, Feb 2006]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Product images:



Circular map for RR213144L1



Double digestion of RR213144L1 using Sgfl and Mlul

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US