

Product datasheet for RR206657L4

Mafg (NM_022386) Rat Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Mafg (NM_022386) Rat Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Mafg
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(RR206657).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I ORF Mlu I GCG ATC GC ATG// NNN ACG CGT
	Kozak Consensus
	EcoRI BamHI RBS SgfI ORF

 EcoR I
 BamH I
 RBS
 Sgf I
 ORF

 CTATAGGGGGGCGGGGAATTCGTCGATCGATGGATCCGGAGGAGATCTGCCGCGGGAATTCGCCG
 ATG
 ORF
 ATG
 ORF

 Image: Mile I
 Not I
 Not I
 Not I
 Mage
 MGFP Tag

 Image: Mile I
 R
 R
 P
 L
 E
 MS
 G
 G
 I
 I

--- --- GGA CTC AGA GTT TGG GTA GGA AGC - - G L R V

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

ACCN: ORF Size: NM_022386 486 bp

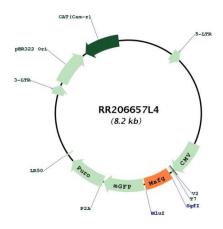


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Service Mafg (NM_022386) Rat Tagged Lenti ORF Clone – RR206657L4	
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can 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 022386.2, NP 071781.1</u>
RefSeq Size:	1638 bp
RefSeq ORF:	489 bp
Locus ID:	64188
UniProt ID:	<u>Q76MX4</u>
Cytogenetics:	10q32.3
Gene Summary:	increased expression of splice variant MafG-2 is detected in response to decreased extracellular pH; may play a role in signal transduction of extracellular protons [RGD, Feb 2006]

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Product images:



Circular map for RR206657L4

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