

# Product datasheet for RR208507L4

## Mafb (NM\_019316) Rat Tagged Lenti ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Mafb (NM_019316) Rat Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Mafb
Synonyms:	b-maf; Krml
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(RR208507).
<b>Restriction Sites:</b>	Sgfl-RsrII
Cloning Scheme:	
	Cloning sites used for ORF Shuttling: Sgf I ORF Rsr II GCG ATC GC ATG // NNŇ AGC GGA CCG

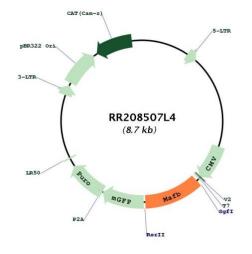
			Kozak Consensus	
EcoR I	BamH I	RBS	Sgf I	ORF
CTATAGGGCGGCCGGGAATTC	GTCGACTGGATCCGG	TACCGAGGAGATCTG	CCGCCGCGATCGC C A	TG
Rsr		Notl Xhol	mGFP Tag	
NNŇ AGC GGA				
S G	PTRT	RPLE	MSGG	
GGA CTC AGA GTT G L R V	TGG GTA GGA AGC			

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



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#### Plasmid Map:



ACCNI	
ACCN:	NM_019316
ORF Size:	969 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 019316.1, NP 062189.1</u>
RefSeq Size:	1923 bp
RefSeq ORF:	972 bp

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	Mafb (NM_019316) Rat Tagged Lenti ORF Clone – RR208507L4
Locus ID:	54264
UniProt ID:	<u>P54842</u>
Cytogenetics:	3q42
Gene Summary:	nuclear bZip transcription factor; involved in the late stages of chondrocyte development [RGD, Feb 2006]

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