

# Product datasheet for RC205808L2

## MAF1 (NM\_032272) Human Tagged Lenti ORF Clone

#### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids					
Product Name:	MAF1 (NM_032272) Human Tagged Lenti ORF Clone					
Tag:	mGFP					
Symbol:	MAF1					
Mammalian Cell Selection:	None					
Vector:	pLenti-C-mGFP (PS100071)					
E. coli Selection:	Chloramphenicol (34 ug/mL)					
ORF Nucleotide Sequence:	The ORF insert	of th	is clone	is exac	tly the sam	ne as(RC205808).
<b>Restriction Sites:</b>	Sgfl-Mlul					
Cloning Scheme:			es used for ORF Sh Sgf I GCG ATC GC ATG	ORF	Mlu I ACG CGT	
		EcoR I	<u>BamH I</u>	RBS	Kozak <sup>Consensus</sup> Sgf I	ORF

 $\begin{array}{c} \text{CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGGAGACGCCGGGATCGCC C ATG \cdots \cdots \cdots \\ \hline Mlu l & Not l & Xho l & \text{mGFP Tag} \\ \hline \textbf{MGFP Tag} & \textbf{MGFP Tag} \\ \hline \textbf{ACG CGT ACG CGG CGG CGG CGC GAG ATG AGC GGG GGC \cdots \cdots \cdots \\ \hline \textbf{T} & \textbf{R} & \textbf{P} & \textbf{L} & \textbf{E} & \textbf{M} & \textbf{S} & \textbf{G} & \textbf{G} & \cdots & \cdots \\ \hline \textbf{Pme l} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I} \\ \hline \textbf{I} & \textbf{I}$ 

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

ACCN: ORF Size: NM\_032272 768 bp



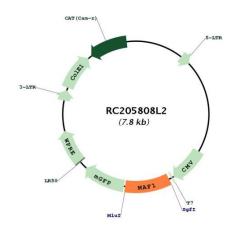
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<b>ORIGENE</b> MAF1 (	NM_032272) Human Tagged Lenti ORF Clone – RC205808L2
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same 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 032272.4</u> , <u>NP 115648.1</u>
RefSeq Size:	1828 bp
RefSeq ORF:	771 bp
Locus ID:	84232
UniProt ID:	<u>Q9H063</u>
Cytogenetics:	8q24.3
Protein Families:	Transcription Factors
MW:	28.9 kDa
Gene Summary:	This gene encodes a protein that is similar to Maf1, a Saccharomyces cerevisiae protein highly conserved in eukaryotic cells. Yeast Maf1 is a negative effector of RNA polymerase III (Pol III). It responds to changes in the cellular environment and represses pol III transcription. Biochemical studies identified the initiation factor TFIIIB as a target for Maf1-dependent repression. [provided by RefSeq, Jul 2008]

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### **Product images:**



Circular map for RC205808L2

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