

Product datasheet for **MR201284L4V**

Mafg (NM_010756) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mafg (NM_010756) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mafg
Synonyms:	AA545192; C630022N07Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010756
ORF Size:	489 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR201284).
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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_010756.3 , NP_034886.1
RefSeq Size:	1720 bp
RefSeq ORF:	489 bp
Locus ID:	17134
UniProt ID:	O54790
Cytogenetics:	11 84.35 cM



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Gene Summary:

Since they lack a putative transactivation domain, the small Mafs behave as transcriptional repressors when they dimerize among themselves (PubMed:16738329, PubMed:9679061). However, they seem to serve as transcriptional activators by dimerizing with other (usually larger) basic-zipper proteins, such as NFE2, NFE2L1 and NFE2L2, and recruiting them to specific DNA-binding sites (PubMed:16738329, PubMed:9679061). Small Maf proteins heterodimerize with Fos and may act as competitive repressors of the NFE2L2 transcription factor. Transcription factor, component of erythroid-specific transcription factor NFE2L2. Activates globin gene expression when associated with NFE2L2 (By similarity). May be involved in signal transduction of extracellular H(+) (By similarity).[UniProtKB/Swiss-Prot Function]