

## Product datasheet for **MR200346L4V**

### Mgp (NM\_008597) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Mgp (NM_008597) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mgp
Synonyms:	Mg; Mglap
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008597
ORF Size:	315 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200346).
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. <a href="#">More info</a>
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:	<a href="#">NM_008597.3</a> , <a href="#">NP_032623.1</a>
RefSeq Size:	614 bp
RefSeq ORF:	315 bp
Locus ID:	17313
UniProt ID:	<a href="#">P19788</a>
Cytogenetics:	6 G1



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**Gene Summary:**

This gene encodes a member of the osteocalcin/matrix Gla family of proteins. The encoded vitamin K-dependent protein is secreted by chondrocytes and vascular smooth muscle cells, and functions as a physiological inhibitor of ectopic tissue calcification. This protein also inhibits angiogenesis. Mice lacking a functional copy of this gene exhibit impaired differentiation of endothelial cells, reduced stature, and calcification and rupture of the vasculature leading to premature death. [provided by RefSeq, Sep 2016]