

## Product datasheet for **MR203782L4V**

### **Tmem119 (NM\_146162) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Tmem119 (NM_146162) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tmem119
Synonyms:	AW208946; BC025600; obif
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_146162
ORF Size:	843 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR203782).
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_146162.1</a>
RefSeq Size:	2132 bp
RefSeq ORF:	843 bp
Locus ID:	231633
UniProt ID:	<a href="#">Q8R138</a>
Cytogenetics:	5 F



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**Gene Summary:**

Plays an important role in bone formation and normal bone mineralization (PubMed:26207632, PubMed:22416756, PubMed:20025746). Promotes the differentiation of myoblasts into osteoblasts (PubMed:22416756, PubMed:20025746, PubMed:22579779). May induce the commitment and differentiation of myoblasts into osteoblasts through an enhancement of BMP2 production and interaction with the BMP-RUNX2 pathway (PubMed:21239498, PubMed:22579779). Upregulates the expression of ATF4 which plays a central role in osteoblast differentiation (PubMed:24362451). Essential for normal spermatogenesis and late testicular differentiation (PubMed:26207632).[UniProtKB/Swiss-Prot Function]