

Product datasheet for **MR211396L4V**

Bmp1 (NM_009755) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Bmp1 (NM_009755) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Bmp1
Synonyms:	Pcp; Tld
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009755
ORF Size:	2973 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211396).
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_009755.3 , NP_033885.2
RefSeq Size:	3769 bp
RefSeq ORF:	2976 bp
Locus ID:	12153
UniProt ID:	P98063
Cytogenetics:	14 36.32 cM



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Gene Summary:

This gene encodes a metalloproteinase that plays an essential role in the formation of the extracellular matrix and is also able to induce ectopic bone formation. Unlike other bone morphogenetic proteins, the protein encoded by this gene is not closely related to transforming growth factor-beta. This protein plays in role several developmental processes. In humans, mutations in this gene are associated with osteogenesis imperfecta and with increased bone mineral density and multiple recurrent fractures. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]