

Product datasheet for **MR221826L4V**

Dmp1 (NM_016779) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Dmp1 (NM_016779) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dmp1
Synonyms:	AG1; AV020965; Dmp; DMP-1; PP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016779
ORF Size:	1509 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221826).
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_016779.2 , NP_058059.2
RefSeq Size:	2760 bp
RefSeq ORF:	1512 bp
Locus ID:	13406
UniProt ID:	O55188
Cytogenetics:	5 50.61 cM



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Gene Summary:

May have a dual function during osteoblast differentiation. In the nucleus of undifferentiated osteoblasts, unphosphorylated form acts as a transcriptional component for activation of osteoblast-specific genes like osteocalcin. During the osteoblast to osteocyte transition phase it is phosphorylated and exported into the extracellular matrix, where it regulates nucleation of hydroxyapatite (By similarity).[UniProtKB/Swiss-Prot Function]