

Product datasheet for **MR226882L3V**

Mepe (NM_053172) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mepe (NM_053172) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mepe
Synonyms:	Of45
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_053172
ORF Size:	1302 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226882).
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_053172.2 , NP_444402.2
RefSeq Size:	1682 bp
RefSeq ORF:	1326 bp
Locus ID:	94111
UniProt ID:	Q8K4L6
Cytogenetics:	5 E5



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Gene Summary:

Regulates renal phosphate and uric acid excretion (PubMed:26051469). Regulates bone mineralization by osteoblasts and cartilage mineralization by chondrocytes (PubMed:11414762, PubMed:12421822, PubMed:15843468, PubMed:22766095). Regulates the mineralization of the extracellular matrix of the craniofacial complex, such as teeth, bone and cartilage (PubMed:26927967). Increases dental pulp stem cell proliferation (By similarity). [UniProtKB/Swiss-Prot Function]