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Product datasheet for MR227427L4V

Mmp13 (NM_008607) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mmp13 (NM_008607) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mmp13
Synonyms:	Cl; Clg; Mmp; MMP-1; MMP-13; Mmp1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008607
ORF Size:	1416 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR227427).`
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_008607.2, NP_032633.1
RefSeq Size:	2675 bp
RefSeq ORF:	1419 bp
Locus ID:	17386
UniProt ID:	P33435
Cytogenetics:	9 A1

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Gene Summary: This gene encodes a member of the matrix metalloproteinase family that plays a role in wound healing, skeletal development and bone remodeling. The encoded protein is activated by the removal of an N-terminal activation peptide to generate a zinc-dependent endopeptidase enzyme that can cleave various native collagens, including types I - IV, X and XIV. Mice lacking the encoded protein display profound defects in growth plate cartilage as well as a delay in the endochondral bone development. Lack of the encoded protein also impairs the wound healing process due to reduced keratinocyte migration and vascular density at the wound site. This gene is located in a cluster of other matrix metalloproteinase genes on chromosome 9. [provided by RefSeq, Jun 2015]