

## Product datasheet for **MR225902L4V**

### Mmp10 (NM\_019471) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Mmp10 (NM_019471) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mmp10
Synonyms:	AV377895; MMP-10; SL-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019471
ORF Size:	1428 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225902).
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_019471.3</a> , <a href="#">NP_062344.1</a>
RefSeq Size:	1734 bp
RefSeq ORF:	1431 bp
Locus ID:	17384
UniProt ID:	<a href="#">O55123</a>
Cytogenetics:	9 A1



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**Gene Summary:**

This gene encodes a member of the matrix metalloproteinase family of extracellular matrix-degrading enzymes that are involved in tissue remodeling, wound repair, progression of atherosclerosis and tumor invasion. The encoded preproprotein undergoes proteolytic processing to generate a mature, zinc-dependent endopeptidase enzyme. The lack of encoded protein in mice promotes experimental lung cancer formation, exacerbates experimental colitis and promotes development of inflammation-associated colonic dysplasia. This gene is located in a cluster of other matrix metalloproteinase genes on chromosome 9. [provided by RefSeq, Feb 2016]