

## Product datasheet for **RC208917L3V**

### **MMP14 (NM\_004995) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

<b>Product Type:</b>	Lentiviral Particles
<b>Product Name:</b>	MMP14 (NM_004995) Human Tagged ORF Clone Lentiviral Particle
<b>Symbol:</b>	MMP14
<b>Synonyms:</b>	MMP-14; MMP-X1; MT-MMP; MT-MMP 1; MT1-MMP; MT1MMP; MTMMP1; WNCHRS
<b>Mammalian Cell Selection:</b>	Puromycin
<b>Vector:</b>	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
<b>Tag:</b>	Myc-DDK
<b>ACCN:</b>	NM_004995
<b>ORF Size:</b>	1746 bp
<b>ORF Nucleotide Sequence:</b>	The ORF insert of this clone is exactly the same as(RC208917).
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>RefSeq:</b>	<a href="#">NM_004995.2</a>
<b>RefSeq Size:</b>	3558 bp
<b>RefSeq ORF:</b>	1749 bp
<b>Locus ID:</b>	4323
<b>UniProt ID:</b>	<a href="#">P50281</a>
<b>Cytogenetics:</b>	14q11.2
<b>Domains:</b>	hemopexin, Peptidase_M10, ZnMc
<b>Protein Families:</b>	Druggable Genome, Protease, Transmembrane



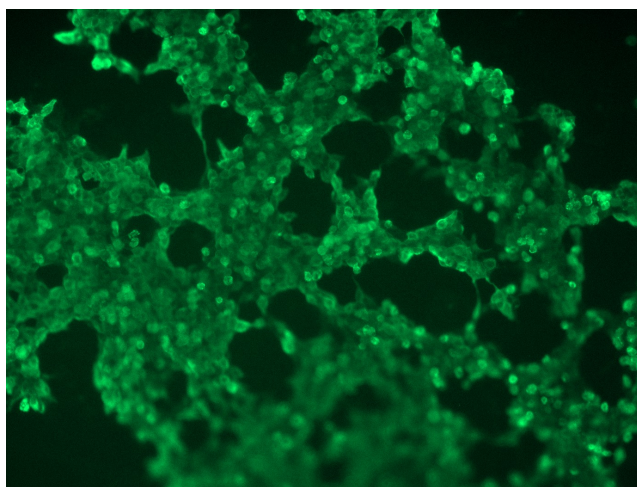
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**Protein Pathways:** GnRH signaling pathway

**MW:** 65.89 kDa

**Gene Summary:** Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. This protein activates MMP2 protein, and this activity may be involved in tumor invasion. [provided by RefSeq, Jul 2008]

### Product images:



[RC208917L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC208917L3V particle to overexpress human MMP14-Myc-DDK fusion protein.