

Product datasheet for **RC211549L2V**

MMP25 (NM_022468) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MMP25 (NM_022468) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MMP25
Synonyms:	MMP-25; MMP20; MMP20A; MMPL1; MT-MMP 6; MT-MMP6; MT6-MMP; MT6MMP; MTMMP6
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_022468
ORF Size:	1686 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211549).
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_022468.4
RefSeq Size:	3565 bp
RefSeq ORF:	1689 bp
Locus ID:	64386
UniProt ID:	Q9NPA2
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
MW:	60.1 kDa



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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 MMPs 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, attached to the plasma membrane via a glycosylphosphatidyl inositol anchor. In response to bacterial infection or inflammation, the encoded protein is thought to inactivate alpha-1 proteinase inhibitor, a major tissue protectant against proteolytic enzymes released by activated neutrophils, facilitating the transendothelial migration of neutrophils to inflammatory sites. The encoded protein may also play a role in tumor invasion and metastasis through activation of MMP2. The gene has previously been referred to as MMP20 but has been renamed MMP25. [provided by RefSeq, Jul 2008]