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Product datasheet for RC222100L3V

MMP24 (NM_006690) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MMP24 (NM_006690) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MMP24
Synonyms:	MMP-24; MMP25; MT-MMP 5; MT-MMP5; MT5-MMP; MT5MMP; MTMMP5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_006690
ORF Size:	1935 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC222100).`
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_006690.3
RefSeq Size:	4344 bp
RefSeq ORF:	1938 bp
Locus ID:	10893
UniProt ID:	Q9Y5R2
Cytogenetics:	20q11.22
Domains:	hemopexin, Peptidase_M10, ZnMc
Protein Families:	Druggable Genome, Transmembrane

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MW: 73.23 kDa

Gene Summary: This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this 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. The encoded preproprotein is proteolytically processed to generate the mature protease. Unlike most MMPs, which are secreted, this protease is a member of the membrane-type MMP (MT-MMP) subfamily, contains a transmembrane domain and is expressed at the cell surface. Substrates of this protease include the proteins cadherin 2 and matrix metallopeptidase 2 (also known as 72 kDa type IV collagenase). The gene has previously been referred to as MMP25 but has been renamed matrix metallopeptidase 24 (MMP24). [provided by RefSeq, Oct 2019]