

Product datasheet for **MR220973L4V**

Cma1 (NM_010780) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cma1 (NM_010780) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cma1
Synonyms:	Mcp; Mcp-; Mcp-5; Mcp5; Mcpt; Mcpt5; MMCP-; MMCP-5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010780
ORF Size:	780 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR220973).
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_010780.2 , NP_034910.1
RefSeq Size:	1086 bp
RefSeq ORF:	744 bp
Locus ID:	17228
UniProt ID:	P21844
Cytogenetics:	14 28.19 cM



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Gene Summary:

This gene encodes a serine protease that belongs to the peptidase family S1. It is expressed in mast cells and is thought to function in the degradation of the extracellular matrix, the regulation of submucosal gland secretion, and the generation of vasoactive peptides. The encoded preproprotein undergoes proteolytic processing to generate a functional enzyme with elastase-like activity. Mice lacking the encoded protein exhibit significant attenuation of ischemia-reperfusion injury of the skeletal muscle. This gene is located in a cluster of related mast cell protease genes on chromosome 14. [provided by RefSeq, Nov 2015]