

Product datasheet for **MR211340L4V**

Adamts1 (NM_009621) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Adamts1 (NM_009621) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Adamts1
Synonyms:	ADAM-; ADAM-TS1; ADAMT; ADAMTS; ADAMTS-1; C3-C5; METH-1; METH1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009621
ORF Size:	2907 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211340).
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_009621.3 , NP_033751.2
RefSeq Size:	4904 bp
RefSeq ORF:	2907 bp
Locus ID:	11504
UniProt ID:	P97857
Cytogenetics:	16 48.2 cM



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Gene Summary:

This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motif) family and preproprotein that is proteolytically processed to generate a mature protein product. This secreted protein product plays an important role in ovulation, likely through its cleavage of the extracellular matrix component versican. The encoded protein may enhance tumorigenesis in a mouse model of breast cancer. Homozygous knockout mice for this gene exhibit enhanced perinatal lethality, impaired growth and adipose tissue development, and impaired ovulation in females. [provided by RefSeq, Oct 2015]