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Product datasheet for MR221485L4V

Adamts7 (NM_001003911) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Adamts7 (NM_001003911) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Adamts7
Synonyms:	ADAM-; ADAM-TS7; ADAMTS7B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001003911
ORF Size:	4848 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR221485).`
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_001003911.2, NP_001003911.2
RefSeq Size:	5424 bp
RefSeq ORF:	4848 bp
Locus ID:	108153
Cytogenetics:	9 E3.1

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Gene Summary: This gene encodes a member of "a disintegrin and metalloproteinase with thrombospondin motifs" (ADAMTS) family of multi-domain matrix-associated metalloendopeptidases that have diverse roles in tissue morphogenesis and pathophysiological remodeling, in inflammation and in vascular biology. The encoded preproprotein undergoes proteolytic processing to generate an active, zinc-dependent enzyme that degrades cartilage oligomeric matrix protein. The deficiency of the encoded protein decreases atherosclerosis in genetically hyperlipidemic mice and in response to vascular injury. Alternative splicing results in multiple transcript variants encoding different isoforms, some of which may undergo similar processing. [provided by RefSeq, May 2016]