

Product datasheet for **MR224137L3V**

Adamts12 (NM_175501) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Adamts12 (NM_175501) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Adamts12
Synonyms:	ADAMTS-12; AI605170
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_175501
ORF Size:	4800 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224137).
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_175501.3 , NP_780710.2
RefSeq Size:	8622 bp
RefSeq ORF:	4803 bp
Locus ID:	239337
UniProt ID:	Q811B3
Cytogenetics:	15 A1



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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 protease. Mice lacking the encoded protein exhibit increased angiogenic response and tumor invasion in different models of angiogenesis and, severe inflammation and delayed recovery when subjected to experimental conditions that induce colitis, endotoxic sepsis and pancreatitis. [provided by RefSeq, Jul 2016]