

## Product datasheet for **MR224554L4V**

### Adamts5 (NM\_011782) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Adamts5 (NM_011782) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Adamts5
Synonyms:	9530092O11Rik; ADAM-; ADAM-TS5; ADAMTS1; ADAMTS11; ADMP-2; AI481094; ASMP-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011782
ORF Size:	2790 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224554).
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. <a href="#">More info</a>
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:	<a href="#">NM_011782.2</a> , <a href="#">NP_035912.2</a>
RefSeq Size:	8104 bp
RefSeq ORF:	2793 bp
Locus ID:	23794
UniProt ID:	<a href="#">Q9R001</a>
Cytogenetics:	16 48.34 cM



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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 aggrecanase enzyme. Mice lacking the encoded protein are protected from surgery-induced osteoarthritis and antigen-induced arthritis. [provided by RefSeq, May 2016]