

Product datasheet for **RC219891L4V**

ADAMTS14 (NM_139155) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ADAMTS14 (NM_139155) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ADAMTS14
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_139155
ORF Size:	3678 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219891).
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_139155.1 , NP_631894.2
RefSeq Size:	3730 bp
RefSeq ORF:	3681 bp
Locus ID:	140766
UniProt ID:	Q8WXS8
Cytogenetics:	10q22.1
Protein Families:	Druggable Genome
MW:	131.9 kDa


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Gene Summary:

This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motif) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The encoded preproprotein is proteolytically processed to generate the mature enzyme. This enzyme cleaves amino-terminal propeptides from type I procollagen, a necessary step in the formation of collagen fibers. Mutations in this gene may be associated with osteoarthritis in human patients. [provided by RefSeq, May 2016]