OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC212446L3V

ADAMTS8 (NM_007037) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ADAMTS8 (NM_007037) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ADAMTS8
Synonyms:	ADAM-TS8; METH2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_007037
ORF Size:	2664 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212446).
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_007037.3
RefSeq Size:	4028 bp
RefSeq ORF:	2670 bp
Locus ID:	11095
UniProt ID:	Q9UP79
Cytogenetics:	11q24.3
Protein Families:	Druggable Genome, Protease, Secreted Protein
MW:	96.3 kDa

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Gene Summary: This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) 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 contains two C-terminal TS motifs, and disrupts angiogenesis in vivo. A number of disorders have been mapped in the vicinity of this gene, most notably lung neoplasms. Reduced expression of this gene has been observed in multiple human cancers and this gene has been proposed as a potential tumor suppressor. [provided by RefSeq, Feb 2016]