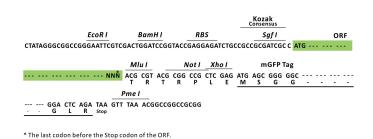


# Product datasheet for RC205984L2

## ADAMTS1 (NM\_006988) Human Tagged Lenti ORF Clone

### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ADAMTS1 (NM_006988) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	ADAMTS1
Synonyms:	C3-C5; METH1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205984).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I         ORF         Mlu I            GCG ATC GCC         ATG //         NNN         ACG CGT



ACCN: ORF Size: NM\_006988 2901 bp

#### OriGene Technologies, Inc.

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	DAMTS1 (NM_006988) Human Tagged Lenti ORF Clone – RC205984L2
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Met	<ul> <li>hod: 1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ul>
RefSeq:	<u>NM 006988.3</u>
RefSeq Size:	4670 bp
RefSeq ORF:	2904 bp
Locus ID:	9510
UniProt ID:	<u>Q9UHI8</u>
Cytogenetics:	21q21.3
Domains:	tsp_1, Reprolysin, Pep_M12B_propep, ACR
Protein Families:	Druggable Genome, Protease, Secreted Protein
MW:	105.39 kDa

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#### **GRIGENE** ADAMTS1 (NM\_006988) Human Tagged Lenti ORF Clone – RC205984L2

Gene Summary:This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with<br/>thrombospondin motif) protein family. Members of the family share several distinct protein<br/>modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like<br/>domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in<br/>the number of C-terminal TS motifs, and some have unique C-terminal domains. The protein<br/>encoded by this gene contains two disintegrin loops and three C-terminal TS motifs and has<br/>anti-angiogenic activity. The expression of this gene may be associated with various<br/>inflammatory processes as well as development of cancer cachexia. This gene is likely to be<br/>necessary for normal growth, fertility, and organ morphology and function. [provided by<br/>RefSeq, Jul 2008]

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