

Specifications:

Gene:	hADAMTS1
Accession:	NP_008919.3
Insert size:	2917bp
Concentration:	10µg at 0.2µg/µL

hADAMTS1 cDNA Plasmid

**ADAMTS1 ADAM
metallopeptidase with
thrombospondin type 1 motif 1**
[*Homo sapiens* (human)]

Also known as: C3-C5; METH1

Summary:

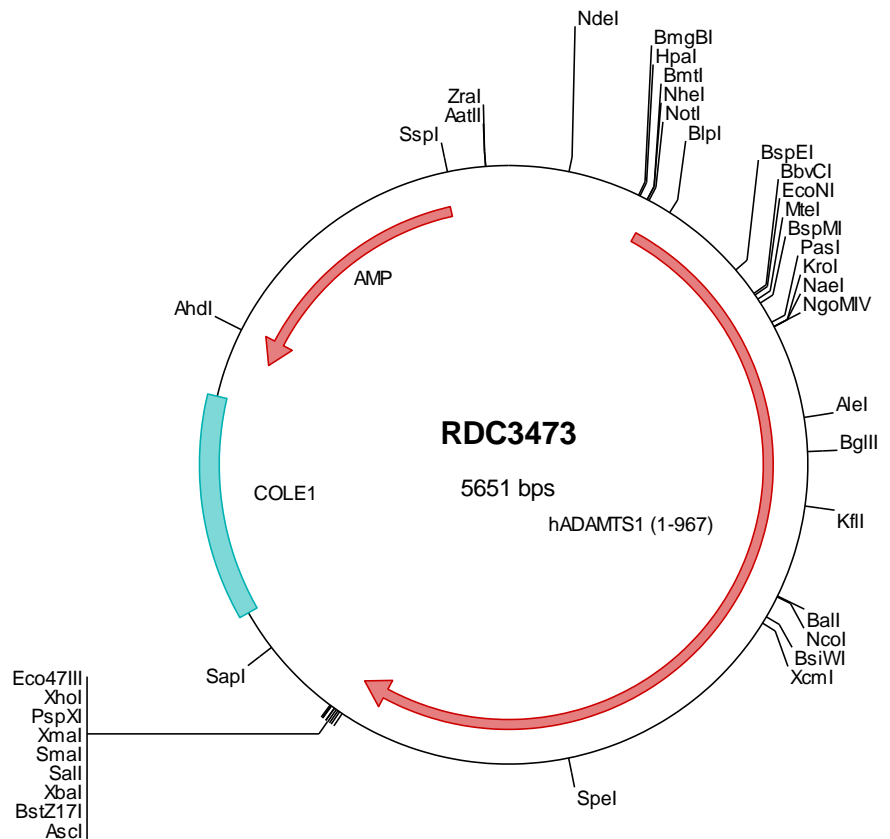
ADAMTS1 is a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motif) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. ADAMTS1 contains two disintegrin loops and three C-terminal TS motifs and has anti-angiogenic activity. The expression of ADAMTS1 may be associated with various inflammatory processes as well as development of cancer cachexia. It is likely to be necessary for normal growth, fertility, and organ morphology and function.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3473 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccg gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccg
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> RDC3473 Translated Insert Sequence

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