

## Product datasheet for **SC336906**

### **ADAMTS10 (NM\_001282352) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ADAMTS10 (NM_001282352) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAMTS10
Synonyms:	ADAM-TS10; ADAMTS-10; WMS; WMS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



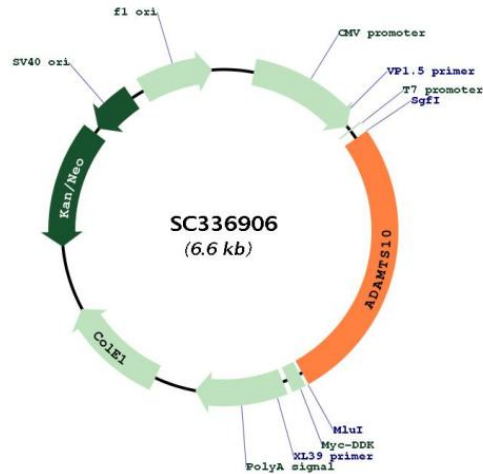
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Fully Sequenced ORF: >SC336906 representing NM\_001282352.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGCCGACGAGTGTCTCCGGGCTGGACTCACTCCTTCTGTCTCCCCACCCAGTGGTGCTACA
AACGGGTCTGTGTCCCTTTGGGTCGCGCCAGAGGGTGTGGACGGAGCCTGGGGCCGTGGACTCCAT
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CAACCATCGGGGCAAGTACTGTCTGGGTGAGAGAAGGCGGCACCCTCTGCAACACGGATGACTGTC
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TGTGGCGGTGACGGCAGTGCCTGCGAGACCATCGAGGGCGTCTTACGCCAGCCTCACCTGGGGCCGGG
TAGGAGATGTCTGTGATTCCAAAGGCTCCGTCCACATCTTATCCAGGATCTGAACCTCTCTCTC
AGTCACCTGGCCCTGAAGGGAGACCAGGAGTCCCTGCTGCTGGAGGGGCTGCCTGGGACCCCCAGCCC
CACCGTCTGCCTTAGCTGGGACCACCTTTCAACTGCGACAGGGGCCAGACCAGGTCCAGAGCCTCGAA
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GCAGACCACCGCCACGCTGCCCCGGCGCACTGCTCACCCGCGCAAGCCACCGGCCACCATGCGC
TGCAACTTGCGCCGCTGCCCCCGGCCGCTGGGTGGTGGCGAGTGGGTGAGTGTCTGCACAGTGC
GGCGTGGGCGAGCGGACGCTCGGTGCGTGCACAGCCACACGGGCCAGGCGTGCACAGTGCACG
GAGGCCCTGCGGCCGCCACCACGACGAGTGTGAGGCCAAGTGCACAGCCCAACCCCGGGGACGGC
CCTGAAGAGTGAAGGATGTGAACAAGGTCGCTACTGCCCCCTGGTGTCAAATTTAGTCTGCAGC
CGAGCCTACTTCCGCGAGATGTGTGAAAACCTGCCATGGCCACTAG
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

## Plasmid Map:



ACCN: NM\_001282352

Insert Size: 1773 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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 Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM\\_001282352.1](#)

RefSeq Size: 2475 bp

RefSeq ORF: 1773 bp

Locus ID: 81794

UniProt ID: [Q9H324](#)

Cytogenetics: 19p13.2

Protein Families: Druggable Genome, Secreted Protein

MW: 62.5 kDa

**Gene Summary:**

This gene belongs to the ADAMTS (a disintegrin and metalloproteinase domain with thrombospondin type-1 motifs) family of zinc-dependent proteases. ADAMTS proteases are complex secreted enzymes containing a prometalloprotease domain of the reprotolysin type attached to an ancillary domain with a highly conserved structure that includes at least one thrombospondin type 1 repeat. They have been demonstrated to have important roles in connective tissue organization, coagulation, inflammation, arthritis, angiogenesis and cell migration. The product of this gene plays a major role in growth and in skin, lens, and heart development. It is also a candidate gene for autosomal recessive Weill-Marchesani syndrome. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) lacks several exons, uses an alternate 5'-terminal exon, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a shorter and distinct N-terminus, compared to isoform 1.