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Product datasheet for SC309981

ADAMTS10 (NM_030957) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAMTS10 (NM_030957) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAMTS10
Synonyms:	ADAM-TS10; ADAMTS-10; WMS; WMS1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_030957 edited
GGCGCGGAGGCCCCGGGCGCGGCGCAGGCTCCAAAGAAGAAGAAACCAAGGCCCAGAGAG
GGAGGCCCAGGTGCAGGGAGCAGGCGAGGGAAGGATCCGTACAGGGGCCCAACACTACTC
CACCAACCGAAGCCCCCAAAAGGAGCCCGGTGATGCTGCGAAGGCTGTGAACAGGGGAGG
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CAAGCGTTCCTCTCTGCGTCACCCCCACCTGGACACAGCCTGTGGAGTGAGAGATGAGAA
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GAACCATGACGGCGTGGGAAACAGCTGTGGGGCCCGTGGTCAGGACCCAGCCAAGCTCAT
GGCTGCCCACATTACCATGAAGACCAACCCATTCGTGTGGTCATCCTGCAGCCGTGACTA

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CATCACCAGCTTTCTAGACTCGGGCCTGGGGCTCTGCCTGAACAACCGGCCCCCCAGACA
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CTTTCAGCATGGAGTCAAATCGCGTCAGTGTAAATACGGGGAGGTCTGCAGCGAGCTGTG
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CCTGACACCCTCCCCTGACCTGACTAGGGGGAGGATCCACCCCAACCTCTGCCCTGCCCG
CCCCAGGGGCACCCCGACATCCAGGCCACCCCCTCATGGTGCTACAGACCCTGCCCTGGG
GCCCACACACTCCTGCCAGGAAGCCCTACATCAATAAAGTTCTGTCTTGTGTAGATTTCT
ACGAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_030957 unedited
NGTTCAGTTAAATTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGGCGC
GGAGGCCCCGGGCGCGGCGCAGGAGCCCGGTGATGCTGCGAAGCTGTGAACAGGGGAGGC
GGCACTGTGGGGGCTGCCGGCAGCCGGGGCTGGGGAGAGACATGTGGACACGTGGCCTCT
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CCCCGGAGGCAGCGCCGCGGCACGGGGGCCACAGCCGAGTCCCGCCTCTTCTACAAAGTG
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AAGCGTTCCTCTCTGCGTCACCCCCACCTGGACACAGCCTGTGGAGTGAGAGATGAGAAA
CCGTNGGAAGGGGCGCCATGGTGGCTGCCGAACCTTGAAGCCACCGCCTGCCAGGCCCCC
TGGGGGAATGAAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_030957 unedited
CCCGTGTGGCTGGTGCAGCGCACCNGACGCTGCCGCTGCCCGNANCCGCACTGTGCAGNA
CACTCACCCCACTCGCCAGCCACCCAGCGGGCCGGGGGGCAGCGGCGCAAGTTGCAGCGC
ATGGTGGCCGGTGGCTTGGCGGCGGGTGAGCAGTGCGCCGGGGGCAGCGTGGCGCAGTGG
TCTGCGCTCTTGCAAAGGACCACGCGGTGGCGGAGGCCCGGCCCGCAGCTGGGGGTGCAC
TCAGACCAGTCGAGGGCCGCCCACTCCGGAGGGCAAGTGGGGCCGTGGCAGGCCTCCAGT
ACAGGTGGGCGCGGCTGCGGGCATGCGCTGTCGTCCAGCGCCTTCTCCTCCGCGGCAGAG
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GNTCAGGGCGCATAGTGCCAGGAGTANGGGGGCAGCGAGTCACGGGCGATGGGGGCATTG
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TTAATCGGTCCCAGGGCTTCCAGGCTCTGGACCTGGTCTGGCCCCTGTCGCATTTGAAAG
GTGGTCCCACTANAGGCAAACGGTGGGGCTGGGGGGTCCCGGGCAGCCCTTCCACAGCAA
GGACTCCTGGTCTCCCTTCCAGGGCCAGTGACTGAAAAAAAGGTTN

Restriction Sites: Please inquire

ACCN: NM_030957

Insert Size: 4500 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).

OTI Annotation: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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_030957.2, NP_112219.2
RefSeq Size:	4237 bp
RefSeq ORF:	3312 bp
Locus ID:	81794
UniProt ID:	Q9H324
Cytogenetics:	19p13.2
Domains:	tsp_1, Reprolysin, Pep_M12B_propep
Protein Families:	Druggable Genome, Secreted Protein
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 reprolysin 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 (1) represents the longest transcript and encodes the longest isoform (1).