

Product datasheet for **SC318693**

ADAMTS20 (NM_025003) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAMTS20 (NM_025003) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAMTS20
Synonyms:	ADAM-TS20; ADAMTS-20; GON-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318693 representing NM_025003. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGTGGGTGGCCAAGTGCTGACTGGGCTGCTCTACCATCTCTCGCTCTTCATCACCAGGTCTTGGGAA
GTTGACTTCCACCCAGGCAAGAAGCCCTGGTGAGGACACTGACCTCCTACGAAGTAGTGATCCCGAG
CGGGTCAATGAGTTTGGAGAAGTGTCCCTCAGAGCCACCACTTCAGCCGGCAGAAACGCAGCTCCGAG
GCGCTGGAACCCATGCCGTTCCGAACCCACTATCGCTTCACTGCCTACGGGCAGCTCTTCCAGCTGAAC
CTGACCGCGATGCATCCTTTCTGGCCGCCGGCTACACCGAGGTGCACTTGGGAACCCCGAGCGCGGG
GCCTGGGAGAGCGACGCAGGGCCCTCGGACCTGCGCCACTGCTTCTACCGCGCCAGGTCAACTCACAG
GAGGATTACAAGCCGTCGTCAGCTTATGCGGAGGCCTGACGGGAACATTTAAAGGACAGAACGGTGAA
TATTTCTTAGAACCTATAATGAAGGCAGATGGGAATGAATATGAAGATGGTCACAACAAGCCACATCTT
ATATACAGACAAGACTTAAATACTCTTTCTGCAGACTCTGAAGTATTGCAGTGTGTGAGAAAGTCAA
ATAAAGGAAACAGTTTACCCTTTCATACCTACAGCAACATGAATGAAGATCTTAATGTAATGAAAGAA
AGAGTTTATAGGACACACATCAAAAAATGTACCATTGAAAGATGAAAGAAGACATTCCAGGAAAAACGT
CTTATATCATATCCAAGATACATTGAAATTATGGTTACAGCTGATGCTAAAGTGGTTTCTGCTCATGGA
TCGAATTTGCAAACTATATACTGACTCTAATGTCAATTGTTGCAACAATCTACAAAGATCCAAGTATT
GGAAATTTGATACACATAGTAGTGGTAAAATTAGTTATGATTACCGTGAGGAGGAAGGACAGTCATT
AATTTTGATGGTGCTACCACATTAAGAACTTTTGTTTCATGGCAACAACTCAGAATGACCTTGATGAT
GTTACCCCTCCACCATGACACTGCTGTTCTTATCACTAGGGAAGACATTTGTTTCATCTAAAGAGAAA
TGTAACATGTTAGGTTTATCATATTTAGGTACCATATGTGATCCTTTACAAAGCTGCTTTATTAATGAA
GAAAAAGGACTCATTTCTGCTTTTACTATAGCCCATGAGCTTGGGCACACACTTGGTGTTCAACATGAT
GATAATCCTAGATGTAAGAAATGAAAGTTACAAAGTATCATGTAATGGCCCTGCTTTAAGTTTTCAC
ATGAGTCTTGGAGCTGGTCAAAGTGTAGTCGGAATATGTTACTGAATTCCTAGATACTGGTTACGGG
GAATGTCTTCTTGACAAACCAGATGAAGAAATATATAATCTGCCTTCAGAACTTCTGGATCAGGATAT
GATGGAACAAGCAGTGTGAGCTTGCCTTGGTCTGGGTCAAAATGTGTCCCATATAAATATATGC



[View online »](#)

ATGCATCTGTGGTGCACAAGCACAGAAAAGCTTCACAAAGGCTGTTTCACTCAACACGTGCCACCAGCA
 GATGGAACAGACTGCGGTCTGGAATGCATTGCCGTATGGGCTATGTGTAAACAAAGAAACGGAACA
 CGTCTGTAAATGGTGAATGGGACCATGGGAACCTTACAGTTCTTGTTCAGAACATGTGGAGGCGGA
 ATCGAAAGTGCAACCAGGCGCTGTAATCGTCTGAGCCAAGAAACGGAGGAAATTAAGTGTGGGCCGC
 AGGATGAAATTCGATCATGTAATACTGATTCATGTCCAAAGGCACACAAGACTTTCGAGAGAAGCAG
 TGCTCTGATTTTAAATGGTAAACATTTGGACATCAGTGGCATTCCCTCTAATGTGAGGTGGCTTCCAAGA
 TACAGTGGCATTGGCACAAGGATCGTTGTAACTCTATTGTGAGTTGCTGGAACCAATTATTTCTAC
 CTATTGAAGGATATGGTTGAAGATGGTACTCCTTGTGGAAGTGAAGTCAATGACATCTGTGTTCAAGGC
 CAGTGTATGGCAGCTGGTTGTGATCACGTGTTAACTCCAGTGCCAAGATAGACAATGTGGAGTGTGT
 GGTGGGACAACCTCTTCATGCAAGACAATAACAGGTGTCTTCAACAGTTCTCATTATGGTTATAATGTT
 GTTGTAAAGATTTCCGACAGGAGCAACAACGTTGACATTCGTGAGTACAGCTATTCTGGACAACCAGAT
 GACAGTTACCTTGCATTATCTGACGCTGAAGGGAATTTCTTTTCAATGGAAATTTCTTCTAAGTACG
 TCAAAAAAGAAATCAATGTGCAAGGAACAAGAACTGTTATTGAATACAGTGGATCAATAACGCAGTT
 GAAAGAATTAATAGTACTAATCGACAAGAGAAAGAACTTATTTTGCAGGTGTTGTGTGGGTAAATTA
 TACAACCTGATGTACATTATTCCTTCAATATCCCTTTGGAAGAGAGGAGTACATGTTACATGGGAC
 CCTATGGACCATGGGAAGGCTGTACAAAATGTGTCAAGGTCTTCAGCGAAGAAACATAACTTGCATA
 CATAAGAGTGATCATAGTGTGTCTGATAAAGAAATGTGACCACTTGCCACTTCCATCATTGTACT
 CAAAGTTGCAATACAGACTGTGAACTAAGGTGGCATGTTATTGGCAAAAGTGAATGTTTATCCCAATGT
 GGTCAAGGATATAGAACCTTGGACATCCATTGCATGAAGTATTCCATTCTGAAGGACAGACTGTTCAA
 GTTGTGACCACTACTGTGGTGACCACTTAAACCTCTACCCAAGAACTATGCCATGGTAACTGTGTC
 TTCACAAGATGGCATTATTCAGAATGGTCTCAGTGTCCAGGAGTTGTGGAGGAGGGAAAGGTCTCGA
 GAATCTTATTGTATGAATAACTTTGGCCATCGTCTGTGACAATGAATGCCAAGAACTGTCCCGAGTG
 ACGAGAGAGAATTGCAATGAATTTTCTGTCCCAGTTGGGCTGCTAGTGAATGGAGCGAGTGCCTTGT
 ACATGTGGTAAAGGAACAAGCAGCGGAGGTATGGTGTGAGTGAATGTAGTCACTGATGATGGTGGC
 TTCTGTAAATCAAGTACCAACCTGAATCTCTGAGTCCATGTGAACTTCATACATGTGCTTCTGGCAA
 GTAGGACCATGGGGTCTTGCACAACCACATGTGGACATGGGTATCAGATGCGAGATGTTAAATGTGTC
 AATGAGCTAGCTAGTGCAGTGTAGAGGACACAGAATGCCATGAAGCTAGTCGCCCCAGTGACAGACAG
 AGCTGTGTACTTACACCTTGCTCATTTATTTCTAACTTGAGACCGCTTTATTACCAACTGTTCTCATA
 AAAAGATGGCACAATGGCGACATGGTTCTTGGACCCATGCTCCGTATCTTGTGGAAGAGGTACTCAA
 GCCCGCTATGTAAGCTGTCGTGATGCTCTTGATAGAATAGCAGATGAATCATATTGTGCCCACTTACCC
 CGACCTGTGAAATATGGGACTGTTTTACCCCTTGTGGAGAGTGGCAAGCAGGGGATTGGTCAACCTGT
 TCAGCTTCTGTGGCCATGGAAAAACAACCTCGACAAGTTTTATGCATGAACTACCATCAGCCAATTGAT
 GAGAATTAAGTGTGATCCTGAAGTTCGCCCTTTGATGGAACAGGAATGTAGCCTGGCAGCCTGCCCTCCT
 GCACACAGCCACTTCTAGTTCCTGTGAGCAAGCTATTATCTAAGCACGAATTTGCCATTAAGT
 CAAAACTTGAAGATAATGAAAAACAGGTGGTCCATCCATCAGTCAGAGGAAACAGTGGAGAACCAGG
 CCATGGGGATCATGCTCCAGCAGTTGTTCTGGAGGTCTTACAGCATAGGGCTGTGGTCTGCCAGGATGAA
 AATGGACAAAGTGCTAGTTACTGCGATGCGACCTCCAAGCCTCCAGAGTTACAGCAATGTGGTCCAGGG
 CCTTGTCCACAGTGGAACACGGAATTTGGGAGAAATGTTCAAAACATGTGGAGGAGGAATAAAATCA
 AGACTGTAAATATGTCAATTTCCCAATGGCCAAATATTAGAAGATCAAACTGTGAAATGTAAACAAG
 CCACCTAGCGTAATACAGTGTATGATGCTTGGCCTGCTGATGTGTCATGGCATCAGGAACCATGG
 ACATCGTGCTCAGCTTCTGTGGTAAAGGTAGAAAGTACCGTGAAGTGTGTTGATTGACCAATTCCAA
 AGGAAATTAGAAGACACAAATTCAGTCAAGTACAGAAACCTCCAACCTCACAAGCCTGTAGATCTGTC
 AGATGCCCTTATGGAAGCCAATAGCTGGAATGAGTGTCTGTGACCTGTGGCTCTGGAGTTCAGCAG
 AGGGATGTATACTGCAGACTGAAAGGTGTTGGTCAAGTGGTGAAGAAATGTGTGATCAGTCCACCCGA
 CCTTGTCTCAGAGGCGATGTTGGAGTCAAGACTGTGTGACGACAAGGGGATGGAAGAGGGAGGCTG
 AATTGTTCAACATCATGTGAGAGAAAAGATTACATCAACGAATGGAGTGCACAGATAACCAATCAGA
 CAAGTGAATGAAATAGTCTATAATTCTTCAACCATATCTTACATCCAAGAATTGCAGGAACCTCCT
 TGCAATTACATTGTGGTAACAGCAGACTCATCACAGTGTGCAAACTGTGGATTTAGTTACAGACAA
 AGGATTACATATTGCACCGAGATCCCATCTACTAAGAAACATAAGCTCCATCGACTTCGGCTATAGTT
 TATCAAGAATGCCCTGTGGTGCCTTCTCTCAGGTTTACCAATGCATTAAACAGCTGTTTGCATTTGGCC
 ACTTGGAAAGTTGGAAATGGAGCAAGTGTGAGTGTGGAATGGGATAATGAAGAGACAAGTG
 AAATGCATTACCAACATGGTTTGTCCAGTGACTTATGTTTAAACCATTTAAACCAAGGTGCTCAAAAG

```

AAATGTTATGCCAATGACTGTAAATCATTTACCACCTGCAAAGAAATTCAGTGAAAAACCATTAGA
AAGGATGGTGACTATTACCTTAACATTAAGGGAAGAATAATAAGATTTATTGTGCAGACATGACTTG
GAGAACCCTAAGGAATATTTAACACTGGTCCAAGGTGAAGAAAACCTTTCTGAAGTGTATGGCTTTAGA
CTAAAAATCCATATCAATGTCCTTTTAAATGGGAGTAGAAGGGAAGACTGTGAATGTGACAATGGACAC
TTAGCTGCTGGATACACTGTTTTTCAGCAAAATAAGAATTGATCTCACTTCCATGCAAATTTAAACTACG
GACCTTCTTTTTTCCAAAACAATATTTGGAAATGCAGTTCCATTTGCCACAGCTGGAGATTGCTACAGT
GCTTTTCAGATGCCACAGGGACAGTTTAGCATTAAATTTGTCAGGAAGTGGGATGAAGATATCCAGCACA
GCAAAGTGGCTCACTCAGGGGAGTTATACCTCTGTGAGCATACGAAGATCAGAGGATGGAAGTGAATTT
TTCGGCAATGTGGAGGGTACTGTGAAAGTGTCTTCCTCACATGACTACTGGTCTCCCAATTCAAGTC
ATATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_025003
Insert Size:	5733 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_025003.3
RefSeq Size:	5733 bp
RefSeq ORF:	5733 bp
Locus ID:	80070
UniProt ID:	P59510
Cytogenetics:	12q12
MW:	214.7 kDa

Gene Summary:

The protein encoded by this gene is a member of the ADAMTS family of zinc-dependent proteases. The encoded protein has a signal peptide that is cleaved to release the mature peptide, which is secreted and found in the extracellular matrix. This protein may be involved in tissue remodeling. [provided by RefSeq, Sep 2011]