

Product datasheet for **SC125258**

ADAMTS19 (NM_133638) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAMTS19 (NM_133638) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAMTS19
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_133638, the custom clone sequence may differ by one or more nucleotides

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ATGCGCCTGACTCACATCTGCTGCTGCTGCCTCCTTTACCAGCTGGGGTTCTGTGCGAATGGGATCGTTT
CAGAGTGCAGTTCGCCCCGACCGCGAGGAGTGGGAAGTCGTGTTTCTGCGCTCTGGCGCCGGGAGCC
GGTGGACCCGGCTGGCGGCAGCGGGGACGCGCGGACCCGGGCTGGGTGCGCGCGTTGGGGCGGGCGGA
AGCGCCCGGGCGCAGGCTGCCGGCAGCTCACGCGAGGTGCGCTCTGTGGCTCCGGTGCCTTTGGAGGAGC
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CGAGTCGCAGGAGCTGCCGCGGGGATCCAGCGGGGCTGCCGCCTGTCCCCGGCGCCCCGGCTCGTGG
CAGCCCGCCGCTCCCCGACGCCGCCCGTCCCCGCCCCCGCCAGCATGCCGAGCCGGATGGCGACG
AAGTGTGCTGCGGATCCCGGCCTTCTCTCGGGACCTGTACCTGTGCTCCGGAGAGACGGCCGCTTCT
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CAACCTCCCGCGCCACCAGACGCGAGGCTGCTTCTACACCGGAGCTGTGCTGCGGCACCCTGGCTCGTGG
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GCCACTCAATGATACAATGGCCATAACAGGTACCCACACCGTGTATATAGGCAGAAAAGGTCCATGGAG
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CAGTAACCTGCTTGTACAAACAAATCCGAGAGTGTCAATTCTGTGATGGTTCCCTCCAAGCTGCCAGGG
ATGACATACACTGCTGATGAACAATGCCAGATCCTTTTTGGGCCATTGGCTTCTTTTTGTGAGGAGATGC

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AGCATGTTATTTGCACAGGATTATGGTGAAGGTAGAAGGTGAGAAAGAATGCAGAACCAAGCTAGACCC
ACCAATGGATGGAAGTACTGTGACCTTGGTAAGTGGTGAAGGCTGGAGAATGTACCAGCAGGACCTCA
GCACCTGAACTCTGGCCGGAGAGTGGAGCCTGTGGAGTCTTGTAGCCGAACCTGCAGTGTGGGATCA
GCAGTCGAGAGCGCAATGTCTCTGGGCTAGATTCTGAAGCAAGGGATTGTATGGTCCCAGAAAACAATA
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AAGTGTGGCAAAGGCATACGTCATCGGACCGTTAGATGTACCAACCAAGAAAGAAGTGTGTCCTCTCTA
CCAGACCAGGGAGGCTGAAGACTGTGAGGATTATCAAATGCTATGTGTGGCAATGGGTGACTGGTC
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ATGAGAAAATTAATGTAATACCATAACATCACCCAGACTGGCTGCTGACTTTCAAGTGCCTGGGAGA
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TGCTGTGAAACATGCAGGGACTTCTATGCCAAAAGCTGCAGCAGAAGAGTTGA
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_133638 unedited
CAGCTTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGTGCGCCGGG
CGAGAAGCCGCGCCCGCGGAGCGCAGTATGGGGAAGAACCAGGAGATGCGCCTGACTCA
CATCTGCTGCTGCTGCCTCCTTTACCAGCTGGGTTTCTGTGCAATGGGATCGTTTCA
GCTGCAGTTGCCCCCGACCGGAGGAGTGGGAAGTCGTGTTTCTGCGCTCTGGCGCCG
GGAGCCGGTGGACCCGGCTGGCGGACGCGGGGACGCGGACCCGGGCTGGGTGCGCGG
CGTTGGGGGCGGCGGAAGCGCCCGGCGCAGGCTGCCGGCAGCTCACGCGAGGTGCGCTC
TGTGGCTCCGGTGCCTTTGGAGGAGCCCGTGGAGGGCCGATCAGAGTCCCGGCTCCGGCC
CCCGCCCGCTCGGAGGGTGAAGGAGCAGGAGCTCGAGTCGAGGAGTGCAGGAGTGCAGG
ATCNCACGGGGTGCCTGCTTGTCCCGGGCGCCCGGCCTCGTGGCAGCCCGCCCTCC
CCCGCAGCCGCCCGTCCCGCCCGGCCAGCATGGCCGAGCCGATGGCGGACAAGT
GTTGCTGCGGATCCCGGCTTCTCTCGGACCTGTACCTGCTGCTCCGGAAGACGGCCG
TTCTGCGCCGCTTCGAGTGGACAGGGCCAATCCCGCCCGGCCACGGGGAGATCGC
CCGACCTCCGGCACAGACCAGTGTTTAACNGACTG
    
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3' Read Nucleotide Sequence: >OriGene 3' read for NM_133638 unedited
 TGCCGTGCAACATTCCCAGGAGAGGCACTGGGGAGGGGTACAGGGATGCCACCCG
 GGATCTGTTTCAGGAAACAGCTATGACCTCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTT
 TTTTTTTTTTTTTTTTATAGAGACAAAGGTCTTTATTACTCACAGCGATAGTAGGCCA
 GGAATCAGCTTTTCCTGACTGGCTCGTTGAGCCCCATTTCCCAAAGGGTGACATGAAG
 AGAGCCAGGTGACCTCAGAACATACATTGGATTGTCTTATAGTAAAGAAACCCCAATTTT
 AGGGAACCTGAAACTTTTATAATGAGAAGTATGTTTGCCCTTTGCTCCCAAGAGACATAC
 TATCTTCCAAGGCAGTTCACTCTATAAACATCCTCTAGAAGATACTCCAGAACAAAAGTA
 GACAGTACCTTTGTTTCATCAGACATGTGGATATGTGACAAGTCTATGAAGAATTGTCTCT
 CAGTGGGAAGTTTACATATTTTATTGAAAAATCTAAGAAATCATGTGAATCATGTATAA
 TATTTTCTCACAAGAAAAATTTAAGCTGGCTTTTGAACGTTTCACATAATTGAAAACT
 TTTTAATTTTAAAAGGAAGAAAAACACAATGAAACGACCACCGTATTATATGCTTTCTG
 TTTTCTTGTCTAGGAAAAGGCTGAGAAATACTAGTAAATTTTCTAATTATGATTC
 GTGAGGCTAAGTACTATACTCTTAATAAATCTGCTAAAAAGATCANGGAAATGGGTGGA
 TCA

Restriction Sites: NotI-NotI

ACCN: NM_133638

Insert Size: 5200 bp

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 custsupport@origene.com 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. [More info](#)

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_133638.2](#), [NP_598377.2](#)

RefSeq Size: 5094 bp

RefSeq ORF: 3624 bp

Locus ID: 171019

UniProt ID: [Q8TE59](#)

Cytogenetics: 5q23.3

Protein Families: Protease, Secreted Protein

Gene Summary: This gene encodes 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. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The protein encoded by this gene has high sequence similarity to the protein encoded by ADAMTS16, another family member. [provided by RefSeq, Jul 2008]