

Product datasheet for **MC223954**

Adamts19 (NM_175506) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adamts19 (NM_175506) Mouse Untagged Clone
Tag: Tag Free
Symbol: Adamts19
Synonyms: 4831407I23Rik; AU015154; D230034E10Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223954 representing NM_175506
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCCCGGAGATGCGCCTGACTGCGATCTGCTGCTGCTGCTGCCTCCTCTACCAGCTAGGCTTCCTGT
 CGCATGGGACCACCTCAGGGTTGCAGCTACCCCGGATCTCGAGGAATGGGAAGTCGTGTTTCCTGCACT
 CTGGCGCCGGGAGTCGCTGAACGCCACGGCCCTCAGCGGGGCAGCTCAGACCCGGGATCCGGGCGCAGC
 TCTGGGGCGCGCCGGCGGGGCAGGCTTCGGGCAGCTCGCGGGAGGTGCGCTCGGTGGCCCGAGCACCGC
 AGGAAGAAGCCACCAGAGGCCAATCTGAGCCCTGGTTCGGGTCTCCCTGGAGCCAGGTGCTGAGGACGA
 GGAGGAATCGAATCTCAGGAGCTGCCTCGGGATCCAGCGGAGATACTGCCCTGTCTCGGGAACCCCG
 GCCTCGTGGCAGCCTCCTCTGCCCCGCAACGGCCCTCGTCCCGGCCCTGCCAGCAAGAGGAACCCA
 GCGCGGAGGAGGTGCTGTTGCGGATCCCGGCCCTCTCCCGGACCTGTACCTGCTGCTCCGGAGAGATGG
 CCGTTCCTGGCGCAGCGCTTCGAGTGGAGCAGTGGCCAAACCAGTCCCGATCCACCCGGGCAACG
 GCTGACCCTGGCTCTTCCTTGTGCCAGATGCCTCCTGTTTTACACCGGACAGTGTGCGCCATCCTG
 GCTCTCTGGCCTTTTCAGCACCTGTGGAGGTGGCCTGATGGGCTTTATACAGCTCAATGAGGATTCCT
 ATTCATTGAGCCATTCAATGATACAATGGCCATCATAGGTCACCCGCACCGTTTATACAGGCAGAAGAGG
 TCCACAGAGGAAAAAGTAACAGAGAACTCAGCTGTTACCCGCCATCACTGTGGTGTCAATTCAGATAAAG
 GAAGACCAAGGTCTAAAAAATAGCAGACAACAGACGAGAAAAACGGTATTCTACAAAATATCCCAGGA
 ATACAACATCGAGACCGTAGTAGTTGCAGACCCTGCAATGGTTTTCTACCACGGAGCAGATGCAGCCAGG
 AGATTCATTCTGACAATCCTAAATATGGTTTTAACCTTTTCCAGCACAAGAGTCTGGGTGTGCAGGTCA
 ACCTCCGTGTGCTAAAGCTATTCTCCTCCATGAAACACCAGCAGATCTGTATATTGGGCACCACGGAGA
 GAAAATGCTGGAGAGTTTTTGAAGTGGCAGCACGAAGAGTTGGCCGGAGGAATGATGTGCATTGGAG
 ATGTGCACCAGCTGGGGAGAAGACATTGCTGCGGTGGATGCAGCTATTCTATAACAAGGAAAGATTCT
 GTGTGCACAAAGATGAGCCATGTGACACTGTGGGTATTGCTTACTTGAATGGAATGTGTAGTGAAAAGAG
 GAAGTGTATTATTGCTGAAGACAACGGCCTGAACCTTGCCTTTACAATCGCTCATGAAATGGGTCACAAC
 ATGGGCATCAACCATGACAATGACCACCATCCTGTGCTGATGGTCTTATATCATGTCTGGTGAATGGA



TCAAAGGACAAAATCTTGGTGATGTTTCATGGTCCAGGTGCAGCAAGGAGGATCTGGAAAGATTTCTCAG
 GTCAAAGGCCAGTAGCTGCTTGTTCATACAGATCCGCAGAGTCTCAGTTCGGTGCCTGGTCCCTCAAAA
 TTGCCAGGGATGGCTTACTGCAGACGAACAGTGCCAGATCCTCTTTGGGCCTCTGGCTCTTTTTGTC
 AAGAGATGCAGCATGTTATCTGCACTGGTTTGGTGCAAAGTGGAGGGGAAGCAGAGTGCAGGACCAA
 GCTGGACCCCAATGGATGGGACTGACTGCGACCCTGGCAAGTGGTGAAGGCTGGAGAATGCACCCGC
 AGGACTCCTGCACCCGAGCACTGGCTGGAGAGTGGAGCCCGTGGAGTTCCTGTAGTCAAGTTCAGTT
 CTGGGGTCAGCAGTCGAGAGCGCAAGTGTCTGGGCTAGGTTCTGAAGCAAGGGATTGAATGGCCCCAG
 AAAACAATACAGAATATGTGAGAATCCACCTTGTCTGCAGGTTGCCTGGATTCAGAGACTGGCAATGT
 CAGGCCTATAGTGTAGAACTTCGTACCCAAAGCATGCACCTTCAGTGGCAAGCTGTCTTCGATGAAGAAA
 AACCATGTGCCTGTTTTGCTCTCTGTGGAAAAGAACAGCCTGTTCTTCTATCAGAAAAAGTGATGGA
 TGGAACTCTTGTGGATATCAGGGACTAGATATATGTGCAAAATGGCAGGTGCCAGAAAGCTGTTGTGAT
 GGTACTGGGTCTCTTCCAGGGAAGATCATTGTGGTGTGTAACGGCAATGGAAAGTCATGCAAAAG
 TCATTAAGGCGATTTAATCACACCAGAGGGCAGGTTATGTAGAAGTCTGGTGATACCTGCTGGAGC
 GAGAAGAATCAAAGTGTGGAGGAAAAGCCGGCACATAGCTTCTAGCTCTTCGAGATGCCAGTAAGCAG
 TCTATAAACAGTACTGGAAGATAGAACATTCTGGAGCATTTCAGTCTGGCTGGAACACAGTACATTACT
 TAAGACGAGGCCGTGGGAGAAGATCTCTGCCAAAGGTCCCAACAACCACACCTTTGCATCTCCTGGTACT
 CCTATTTCAAGATCAGAATTACGGTCTTCACTATGAATATACTGTTCCATCAGACCTCTTCCAGACAAT
 CAGAGTTCTAAGGAGCCGGGGCCCTCTTCATGTGGACACACGCAGGCTGGGGCGATTGCAATGCCACGT
 GTGGAGGAGGAGAGGAAGACAATGGTGTCTGCACAAAAATCATGAGCAAGAAATACAGCCTTGTGGA
 CAACAAGAAATGCAAGGACTTGACCAACCAGAGCCACAGATTCGAAAGTGAATGAACAACCTTGTCAA
 ACAAGTGGATGATGACAGAATGGACCAGTGTTCACGAACCTGTGAAAAGGAGTCCAGAGTAGACAAG
 TGGCCTGTACCCAGCAGCTGAAAAATGGAACCTGATTAGAGCCTGGGAGAGGGACTGCCTAGGGCCAAA
 GCCCGCAACTGTGCAACGCTGTGAGGGTCAGGACTGCATGACGGTGTGGAGGCCGGAGTGTGGTGGAG
 TGCTCAGTGAAGTGTGGCAAGGTGTGCGGCATCGCACCGTGGAGTGCATAACCCGAGAAAAAAGTGCG
 TCCTCTCCACCAGACCCAGGAGGCCGAGGACTGTGAGGATTACTCCAAATGCTACGTGTGGCGAGTAGG
 TGACTGCTAAGTGCTCCATTACCTGTGGCAAAGGCATGCAGTCTCGTGTATCCAGTGCATGCATAAG
 ATCACAGGAAGACACGGAATGAATGCTTTTCTCGGAGAAACCTGCAGCCTACAGGCCATGCACCTTC
 AGCCCTGTAATGAGAAAATTAATGTAATAACAATAACATACCAAGACTGGCTGCCCTGACCTTCAAGTG
 CCTGGGAGACCAGTGGCCAGTGTACTGCAGAGTATCCGGGAGAAGAATCTTTGCCAGGACATGCGGTGG
 TACCAACGATGCTGTGAGACTTGCAGGGACTTCTATGCCAAAAGCTACAGCAGAAGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_175506

Insert Size:

3633 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_175506.3](#), [NP_780715.1](#)

RefSeq Size: 4666 bp

RefSeq ORF: 3633 bp

Locus ID: 240322

UniProt ID: [P59509](#)

Cytogenetics: 18 D3

Gene Summary: This gene encodes a member of "a disintegrin and metalloproteinase with thrombospondin motifs" (ADAMTS) family of multi-domain matrix-associated metalloendopeptidases that have diverse roles in tissue morphogenesis and pathophysiological remodeling, in inflammation and in vascular biology. This gene is predominantly expressed in the ovary with lower levels of expression observed in kidney, heart, skeletal muscle, lung and testis. The encoded preproprotein undergoes proteolytic processing to generate an active protease. [provided by RefSeq, Jul 2016]