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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC223954 representing NM_175506
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCCCGGAGATGCGCCTGACTCGCATCTGCTGCTGCTGCTGCCTCCTCTACCAGCTAGGCTTCCTGT
CGCATGGGACCACCTCAGGGTTGCAGCTCACCCCGGATCTCGAGGAATGGGAAGTCGTGTTTCCTGCACT
CTGGCGCCGGGAGTCGCTGAACGCCACGGGCCTCAGCGGGGGCAGCTCAGACCCGGGATCCGGGCGCAGC
TCTGGGGGCGGCGGCCGGGGGCAGGCTTCGGGCAGCTCGCGGGAGGTGCGCTCGGTGGCCCGAGCACCGC
AGGAAGAAGCCACCAGAGGCCAATCTGAGCCCTGGTTCGGGTCTCCCCTGGAGCCAGGTGCTGAGGACGA
GGAGGAACTCGAATCTCAGGAGCTGCCTCGGGGATCCAGCGGAGATACTGCCCTGTCCTCGGGAACCCCG
GCCTCGTGGCAGCCTCCTCTGCCCCCGCAACGGCCCTCGTCCCCGCCCCCTGCCCAGCAAGAGGAACCCA
GCGCGGAGGAGGTGCTGTTGCGGATCCCGGCCCTCTCCCGGGACCTGTACCTGCTGCTCCGGAGAGATGG
CCGCTTCCTGGCGCAGCGCTTCGCAGTGGAGCAGTGGCCCAAACCAGGTCCCGATCCCACCCGGGCAACG
GCTGACCCTGGCTCTTCCTTGCTGCCAGATGCCTCCTGCTTTTACACCGGGACAGTGCTGCGCCATCCTG
GCTCTCTGGCCTCTTTCAGCACCTGTGGAGGTGGCCTGATGGGCTTTATACAGCTCAATGAGGACTTCCT
ATTCATTGAGCCATTCAATGATACAATGGCCATCATAGGTCACCCGCACCGTTTATACAGGCAGAAGAGG
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ATACAACATCGAGACCGTAGTAGTTGCAGACCCTGCAATGGTTTCCTACCACGGAGCAGATGCAGCCAGG
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GAAGTGTATTATTGCTGAAGACAACGGCCTGAACCTTGCGTTTACAATCGCTCATGAAATGGGTCACAAC
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ATGGGCATCAACCATGACAATGACCACCCATCCTGTGCTGATGGTCTTCATATCATGTCTGGTGAATGGA
TCAAAGGACAAAATCTTGGTGATGTTTCATGGTCCAGGTGCAGCAAGGAGGATCTGGAAAGATTTCTCAG
GTCAAAGGCCAGTAGCTGCTTGTTGCATACAGATCCGCAGAGTCTCAGTTCGGTGCTGGTTCCCTCAAAA
TTGCCAGGGATGGCTTACACTGCAGACGAACAGTGCCAGATCCTCTTTGGGCCTCTGGCTTCTTTTTGTC
AAGAGATGCAGCATGTTATCTGCACTGGTTTGTGGTGCAAAGTGGAGGGGGAAGCAGAGTGCAGGACCAA
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AGGACTCCTGCACCCGAGCACTTGGCTGGAGAGTGGAGCCCGTGGAGTTCCTGTAGTCGAAGTTGCAGTT
CTGGGGTCAGCAGTCGAGAGCGCAAGTGTCCTGGGCTAGGTTCTGAAGCAAGGGATTGTAATGGCCCCAG
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CAGGCCTATAGTGTTAGAACTTCGTACCCAAAGCATGCACTTCAGTGGCAAGCTGTCTTCGATGAAGAAA
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TCATTAAAGGCGATTTTAATCACACCAGAGGGGCAGGTTATGTAGAAGTTCTGGTGATACCTGCTGGAGC
GAGAAGAATCAAAGTTGTGGAGGAAAAGCCGGCACATAGCTTCTTAGCTCTTCGAGATGCCAGTAAGCAG
TCTATAAACAGTGACTGGAAGATAGAACATTCTGGAGCATTCAGTCTGGCTGGAACTACAGTACATTACT
TAAGACGAGGCCTGTGGGAGAAGATCTCTGCCAAAGGTCCCACAACCACACCTTTGCATCTCCTGGTACT
CCTATTTCAAGATCAGAATTACGGTCTTCACTATGAATATACTGTTCCATCAGACCCTCTTCCAGACAAT
CAGAGTTCTAAGGAGCCGGGGCCCCTCTTCATGTGGACACACGCAGGCTGGGGCGATTGCAATGCCACGT
GTGGAGGAGGAGAGAGGAAGACAATGGTGTCCTGCACAAAAATCATGAGCAAGAATATCAGCCTTGTGGA
CAACAAGAAATGCAAGGACTTGACCAAACCAGAGCCACAGATTCGAAAGTGCAATGAACAACCTTGTCAA
ACAAGGTGGATGATGACAGAATGGACCACGTGTTCACGAACCTGTGGAAAAGGAGTCCAGAGTAGACAAG
TGGCCTGTACCCAGCAGCTGGAAAATGGAACCCTGATTAGAGCCTGGGAGAGGGACTGCCTAGGGCCAAA
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TGCTCAGTGAAGTGTGGCAAAGGTGTGCGGCATCGCACCGTGAGGTGCACTAACCCGAGAAAAAAGTGCG
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TGACTGGTCTAAGTGCTCCATTACCTGTGGCAAAGGCATGCAGTCTCGTGTTATCCAGTGCATGCATAAG
ATCACAGGAAGACACGGAAATGAATGCTTTTCTTCGGAGAAACCTGCAGCCTACAGGCCATGTCACCTTC
AGCCCTGTAATGAGAAAATTAATGTAAATACAATAACATCACCAAGACTGGCTGCCCTGACCTTCAAGTG
CCTGGGAGACCAGTGGCCAGTGTACTGCAGAGTGATCCGGGAGAAGAATCTTTGCCAGGACATGCGGTGG
TACCAACGATGCTGTGAGACTTGCAGGGACTTCTATGCCCAAAAGCTACAGCAGAAGAGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

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).

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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]

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