

Product datasheet for **MC220947**

Adamts16 (BC034739) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Adamts16 (BC034739) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Adamts16 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >BC034739
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGTCCCAGGTTGTGCTGCGCTCTGGGTGCTGCTGCTGGCGCAGGTCAGTGAGCAGCAGACACCTG
 CGTGCGCCCTGGGACTCGCAGCTGCAGCGTCTGGGAGCCCGGAAGACCCGAGCCTCCCCATTCTCTGG
 GTCAGCTGGCTGAAACCCTGAGTATGACCTGGTGTCTGCCTATGAAGTAGACCACAGGGGGATTAT
 GTATCCCATGACATCATGCACTACCAGCGGAGGCGTCGGAGAAGAGCTGTGACCCAGCCAGGAGGAGATG
 CCCTGCACCTAAGGCTTAAGGGCCCTAGGCATGACCTCCACCTCGACCTCAAAGCTGCCAGCAACTTGAT
 GGCTCCTGGATTCATGGTCAAACCTCTGGGGAAGGGAGGCACCAAGTCTGTACAGATGTTTCCACCAGAA
 GAGAACTGCTTTTACCAAGGATCCTTAAGGTCCCAGGGGAATTCCTCAGTGGCCCTTTCTACCTGCCAAG
 GTTTGTTAGGCATGATAAGAACAAAAGACTGATTACTTCTTGAAGCCACTGCCTCCACACCTAACAAG
 CAAACTGAACAGATCTGCACAGGGCGACTCCCCCTCCATGTTCTGTACAAGAGATCTACAGAGCGCCAG
 GCTCCTAGAGAAAACGAAGTCTGATGATCACCAGGAAGCGAGATCTGGCAAGACCACACCTGCACCATG
 ACAACTTCCATCTTGGCCCTCACAAGCAGCATTCTGTGGAAGACGCAAGAAATACATGCCTCAGCC
 TCCCAACGATGACCTCTACATCTTGCTGATGAGTACAAGCCTAGTTCGCCACACAAGCGCTCGCTCTTG
 AAATCCCACAGAAATGAAGAGTTAAATGTGGAGACTGGTGGTGGTGGTGCAGAAAGATGATGCAAAGCC
 ATGGCCATGAAAACATTACGACTTATGTCTCACCATTCTCAACATGGTGTCTGCCTTATTAAGGATGG
 AACAAATGGGGGAAACATCAACATTGTCTTGTGGGACTCATTCTGCTGGAAGATGAACAGCCAGGGCTG
 GCGATTAGTCACCATGCAGACCACACGTTAACCAGCTTCTGCCAGTGGCAATCCGGATTGATGGGAAAG
 ATGGAACCTCGTCATGACCACGCCATCTTACTGACTGGTCTGGACATATGTTCTTGAAGAATGAGCCCTG
 TGACACATTGGGGTTTGCACCCATAAGCGGGATGTGCAGTAAGTACCGCAGCTGCACAGTCAATGAAGAC
 TCAGGACTTGGACTGGCCTTACCATTGCCATGAGTCTGGACACAACCTTGGCATGGTCCATGATGGAG
 AAGGGAATATGTGCAAGAAATCTGAGGGCAACATTATGTCCCAACACTGGCAGGACGCAATGGTGTCTT
 CTCCTGGTCTTCTGCAGCCGTGAGTACCTGCACAAGTCTTAAAGCACCAGCCCAAGCGATATGTCTTGCT
 GATCAGCCAAAGCCTGTGAAAGAGTATAAGTACCCCGAGAAGCTGCCGGGACAGTTATACGATGCAATA
 CCCAATGCAAGTGGCAGTTTGGAGAGAAAGCAAGCTCTGTATGCTGGACTTCAGAAAGGACATCTGTAA
 GGCCTTGTGGTGCATCGGATTGGAAGGAAATGTGAGACCAAGTTCATGCCAGCAGCAGAGGGTACTCTG
 TGTGGCAGGACATGTGGTGTCTGTGGAGACAGTGTGCAAGTACGGTGTGAAGGCCAAAGCCCAACC
 ATGGCCATTGGTCAGATTGGTCCCCCTGGTCCCCCTGCTCCAGGACCTGTGGGGGAGGAATCTCTCACAG
 AGACCGTCTCTGTACCAATCCCAGACCATCTCATGGAGGGAAGTTTTGCCAGGGCTCCACACGCACTCTG
 AAGCTTTGCAACAGTCAGAGATGCCCTCTGGACAGTGTGGATTTCCGTGCTGCCAGTGTGCCGAGTATA
 ACAGCAAGCGCTTTCGAGGGTGGCTCTACAAGTGAAGCCTTACACCCAGTTGGAAGATCAGGACTTATG
 CAAACTCTACTGTATCGCAGAAGGATTTGATTTCTTCTTTTCTTGTCAAATAAAGTGAAGATGGGACT
 CCATGCTCGGAGGATAGCCGTAATGTTTGTATAGATGGGATGTGTGAGAGGGTGGCTGTGACAATGTCC
 TTGGATCAGATGCAACAGAGGACTCCTGTGGGCTGCAAGGGGAATAACTCAGACTGTGTCACGCATAG
 AGGGCTCTACAGTAAGCACCATTCCACCAACCAGTACTACCACATGGTAACCAATCCTTCTGGAGCTCGG
 AGCATTACATCTACGAAACAAACATCTACCTCTATATTTCTGTGCGCAATCTCTCAAGAGATATT
 ACCTGAATGGACTGAGTGTGGACTGGCCTGGGCGATACAAGTTTTCGGGTGGCACCTTCAACTACAA
 ACGGTCTACAAGGAGCCTGAGAATTTAACCTCCCCTGGACCAACCAATGAAACTCTGATTGTGGAGCTT
 TTGTTCCAAGGCAGGAACCCTGGTGTGGCTGGGAATTTTCATTGCCAAGGTGAGGGCTAAGAAGACTC
 CAGCTGCCAGCCAGCTACTCATGGGCCATCGTACGCTCTGAGTGTCCGTCTCTGTGGAGGGGATAG
 GCAGTGCCAAACTGGGAGAGGACATTTGGAATCTCTTCATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: BC034739

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| Insert Size: | 2703 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: | <ol style="list-style-type: none">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: | <u>BC034739</u> , <u>AAH34739</u> |
| RefSeq Size: | 3402 bp |
| RefSeq ORF: | 2702 bp |
| Locus ID: | 271127 |
| Cytogenetics: | 13 35.97 cM |
| 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 co-expressed with the Wilms tumor protein, Wt1, in the developing glomeruli of embryonic kidneys. The encoded preproprotein undergoes proteolytic processing to generate an active enzyme. [provided by RefSeq, Jul 2016] |