

Product datasheet for **MC224741**

Adamts12 (NM_175501) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adamts12 (NM_175501) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adamts12
Synonyms:	ADAMTS-12; AI605170
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224741 representing NM_175501 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCATGTGCTCGGGGAGCTGGCTGGCCAAGCTCTCGATCGTGGCTCAGCTTATTAATTTGGGGCTT
TTTGCCACGGGAGACAACTCAGCCCTGGCCGGTTCGCTCCAGACCCGAGGCAAGAACATTTTATCAA
GTCCTGCCAGAATACCACATAGTGAGTCCAGTCCAAGTCGATGCTGGTGCCATGTTCTGTCTATGGC
CTGCATCACCTGTCACTAGCAGCAGGAAGAAGAGAGCTGCAGGTGGTCTGGGGACCAGCTGTACTACA
GAATTTCCGATGAAGAAAAGACCTGTTTTCAATCTGACGGTCAACTGGGAATTTCTTCCAACGGCTA
TGTCTGGAGAAGAGATATGGGAACCTTTCCCATGTTAAGATGGTGGCTTCTCAGGCCAGCCCTGCCAT
CTCAGGGGCACAGTTCTGCAGCAGGGCACCACAGTCGGGATCGGGACAGCAGCTCTCAGTGCCTGCCAAG
GACTGACTGGATTTTCCATCTACCACATGGAGACTTTTTTCATCGAGCCTGTTAAAAAGCATCCACTGAC
CGAGGAAGGGTCTACCCTCATGTCGTATACAGGAGACAGAGCATCAGAGCTCCAGAGACAAAGGAGCCC
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GGCCGACACGAAGACGGTAGAGTACCATGGAAGCGAGAACGTGGAGTCGTACATCCTCACCATCATGAAT
ATGGTCACTGGTTGTTTCATAGCCCAAGCATTGGCAATCTAGTCCACATTGTTGTGGTTGCGCTCATT
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GTGGCAGAAGAGCATCAATCCCAAGAGTGACCTCAACCCTGTCCATCATGATGTGGCTGTCTTATCACC
AGAAAGGACATCTGTGCTGGTGTCAATCGCCCTTGTGAGACTCTGGGGCTGTCCAATTGTCAGGAATGT
GCCAGCCTCACAGGAGCTGAACATCAATGAAGACTCTGGCCTCCCCTGGCTTTCACCATTGCACATGA
ACTTGGTCACAGCTTCGGCATCCAGCATGATGGAAGGAAAATGACTGTGAGCCCGTGGCAGGCACCCA
TACATCATGTCCAACAGATTCACTACGCCAACTCCACTAACATGGTGGAAATGCAGCAAGGAGTACA
TCACTCGTTCCTGGACCGAGGCAGGGGTTCTGTCTTGTGATATCCCCAGCAAGAAAGCTTGAAGTC
CAACGTCAATTGCTCCTGGAGTAATTTACGATGTTATCACCAGTCCAGCTCCAATATGGCCCAATGCT
ACATTCTGCCAGGAAGTGGAAAATGTTTGCCAGACACTGTGGTCTCGGTGAAAGGCTTCTGTGCTCTA



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AGCTAGATGCTGCTGCAGACGGGACTCGTTGCGGTGAGAAGAAGTGGTGTATGGCTGAAAAGTGTATCAC
 AGTGGGGAAGAAACCAGAGAGCATCCCTGGAGGCTGGGGACGCTGGTACCCTGGTCACTGTTCTAGA
 ACATGTGGGGCAGGAGCTCAGAGCGCAGAGAGGCTCTGCAACAACCCAGAACCAAAATTTGGAGGAAAT
 ACTGCACCGGAGAAAGAAAACGCTATCGCTTATGCAATGTCCACCCTGCCGCTCAGACACTCCAATTT
 CCGGCAGATGCAGTGCAGTGAATTTGACACAGTCCCCTACAAAACCAATTTCTACCGTGGTCCCAGTG
 TTTAATGCAGCACATCCTTGTGAGCTGTACTGCAGACCCATAGATGAACAGTTTTCTGAGAGAATGCTGG
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 GATGGCTCTGCCTGCCAGACGGTGAAGAAGCTGTTTAGACAGAAGGAAGGATCTGGTTACGTTGACATTG
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 GGTCCCGTGACTTCTGGTCTTTGAGTATCCAACCTGATGATGAGAATGTTTCCAGCTCAGCTATAGGT
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 CTTGGCAGGTAACCTTTTATAGCACCATGACCACAGATCCAGAAGTGGAGATACATAGTGGTTCAGG
 GGAAGACAGTACCAGCCTTTGAACAAGGACAAAAGCAACTCTGTGATATGGAATAAGATCGGGTACCT
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 AAGAGCCCTCATGGCCTCCCTTCAAGTACAAAAATGGAAGGCTCATTACCTGCCTGGTCTTCAAAAATGA
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 CATCCAGCAACCTCAGAGAAGTTAGAAAACCATGACAAATGGCATTGCCAAATACTACAAATCCAACCC
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 TTCTGATTACAAGCATCTTATGAAGGACCACAGCCCTGCATACTGGATTGTTGAAAAGTGGAGTAAATGC
 TCCACTACCTGTGGGCTGGGGCCCTACTGGAGGAGTGTGGAGTGCAGCTCTGGGGTGGACGCTGACTGCA
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 CTGGAGCAAGTGTCCCGAAATGCAAGTGGAGGCTTCAAGATTCGTGAGGTTCAAGTGCATGGACAGCCTG
 GACCAACCCGGAGCCTGAGGCCGTTTCACTGTCAATTCCTAGCTGGCGCTCCTCCTCCACTGAGTATGA
 GCTGTAACCTGGAGCCTTGTGGAGAATGGCAAGTGGAGCCCTGGAGCCAGTGTCTAGGTCCTGTGGAGG
 AGGTGTTCAAGGAGAGAGGAGTGTCTTGTCTGGAGGCTCTGTGACTGGACAAAAAGGCCTGCAACCACT
 GTGCCCTGCAACAGACACCTTGTGTCTACTGGGCCACTGGGAACTGGGAGCTGTGTAACACTTCTGTG
 GTGGTGGCTCTCAGAAAAGAACCATTATTGCATCCCCTCAGAAAACAGTACAACGAAGATCAAGACCA
 GTGCCCTGTGACCATCAAGTCAAACCCCAAGAAATCCAAACATGCAACCAGCAAGCCTGCAGGAAGAGT
 GCTGATTTAACTTGCTTGAAGGACAGACTTTCAATCAGCTTCTGCCAGACTGAAATCCATGAGGAAGT
 GCTCTGTGCCATCAGTGCAGGCCAGTGTCTCTCGTGTCCACAGGCGCCAGCATCCACACCCAGAG
 GCAAGAAAAACAGCAGTTGCTCCAAATCATGACATGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:	NM_175501
Insert Size:	4803 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:	NM_175501.2 , NP_780710.2
RefSeq Size:	6234 bp
RefSeq ORF:	4803 bp
Locus ID:	239337
UniProt ID:	Q811B3
Cytogenetics:	15 A1
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. The encoded preproprotein undergoes proteolytic processing to generate an active protease. Mice lacking the encoded protein exhibit increased angiogenic response and tumor invasion in different models of angiogenesis and, severe inflammation and delayed recovery when subjected to experimental conditions that induce colitis, endotoxic sepsis and pancreatitis. [provided by RefSeq, Jul 2016]