OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC222526

Adamts8 (NM_013906) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adamts8 (NM_013906) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adamts8
Synonyms:	METH-2; METH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC222526 representing NM_013906
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCCGCGACCCCACCACCACCGGGTGGCCGCCCCTCCTGCTGCTGCTATTGCAGCTGCCGCCGCCGC
CACTCGTCTGCGGCGCCCCGGCGGGGCCGGGAACCGGGGCGCAGGCCTCGGAGCTAGTGGTGCCCACGCG
GTTGCCCGGCAGCGCGAGCGAGCTCGCCTTCCACCTGTCCGCCTTCGGCCAGGGCTTCGTGCTGCGCCTG
GCGCCTGACGCCAGCTTCCTGGCGCCGGAATTCAAGATCGAGCGCCTCGGGGGCTCGAGCGCGGCGGCCG
GGGGCGAGCCGGGACTGCGTGGCTGCTTCTTCTCTGGCACAGTGAATGGAGAACGGGAGTCGCTGGCGGC
GATGAGCCTGTGTCGCGGGCTGAGCGGCTCGTTCTTGCTGGCAGGCGAGGAGTTCACCATCCAGCCACAG
GGCGCTGGGGACTCCCTGGACCAGCCTCATCGCCTGCAGCGCTGGGGGCCGGGACAGCGCCGCGAAGACC
CCGGGCTCGCTGCCGCCGAAGTTTTCCCCCTCCCTCAAGGACTGGAGTGGGAGGTGGAGATGGGTAATGG
GCAGGGACAGGAGAGAAGTGACAACGAAGAGGACAGGAAGCAGGACAAGGAGGGGTTGCTCAAAGAGACA
GAAGACTCCCGCAAAGTGCCACCACCCTTCGGATCCAAAACTAGAAGCAAGAGGTTTGTGTCCGAGGCTC
GCTTCGTGGAAACACTTCTGGTGGCTGATGCGTCCATGGCTGCCTTCTATGGGACCGACCTGCAGAACCA
CATCCTCACGGTGATGTCAATGGCAGCCCGAATCTACAAGCACCCGAGCATCAGGAACTCCGTCAACCTT
GTGGTGGTGAAAGTGCTAATAGTGGAAGAGGAAGGATGGGGCCCGGAGGTGTCGGACAACGGGGGGCTCA
CACTGCGCAACTTCTGCAGCTGGCAACGGCGTTTCAACAAGCCCAGTGACCGCCACCCGGAGCACTATGA
CACTGCCATCTTGTTCACCAGACAGAACTTCTGTGGGAAGGGAGAGCAGTGTGACACCCTGGGGATGGCA
GACGTTGGCACCATCTGTGACCCCGACAAGAGCTGCTCAGTGATCAAGGATGAGGGACTGCAGGCAGCCT
ACACCCTGGCCCATGAGCTAGGGCACGTTCTCAGCATGCCCCATGATGATTCTAAGCCCTGTGTGAGATT
GTTTGGGCCCATGGGCAAGTACCACATGATGGCGCCATTCTTCATCCACGTGAACAAGACGCTGCCCTGG
TCTCCCTGCAGTGCTGTCTACCTCACAGAGCTCCTGGATGATGGTCACGGAGATTGTCTTCTGGATGCCC
CCACCTCGGTTCTGCCCCTCCCCACAGGCCTCCCGGGCCACAGCACCCTCTACGAGCTGGACCAGCAGTG
CAAGCAGATCTTTGGGCCTGATTTCCGACACTGCCCCAACACCTCTGTGGAGGACATCTGTGTCCAGCTC
TGGTGCCGTCATCGGGATAGTGATGAGCCCATTTGCCACACAAAGAATGGTAGCCTGCTCTGGGCTGATG
GTACACCCTGTGGCCCTGGGCACCTGTGCCTGGATGGTAGCTGTGTACTCAAGGAGGATGTGGAGAATCC
CAAGGCTGTGGTAGATGGAGACTGGGGTCCCTGGAGACCCTGGGGACAATGTTCTCGCACCTGTGGTGGA
GGGATACAATTCTCGAACCGTGAATGTGATAATCCAATGCCTCAGAATGGAGGAAGATTTTGCCTGGGTG
AAAGAGTCAAGTACCAATCATGCAACACAGAGGAATGTCCACCAAACGGAAAAAGCTTCCGGGAGCAGCA
GTGTGAGAAATATAATGCCTACAACCACACTGACCTGGATGGGAATTTCCTGCAGTGGGTCCCCAAGTAT
TCAGGAGTGTCCCCCCGAGACCGATGCAAGCTGTTTTGCAGAGCCCGTGGGAGGAGTGAGTTCAAAGTGT
TTGAAGCTAAGGTGATCGATGGCACTCTGTGTGGACCGGATACTCTGTCCATCTGCGTCCGGGGGCAATG
TGTTAAGGCTGGCTGTGACCATGTGGTGAACTCACCTAAGAAGCTGGACAAATGTGGGGTGTGTGGGGGC
AAAGGCACTGCCTGTAGGAAGATCTCCGGTTCTTTCACCCCCTTCAGTTATGGCTACAATGACATTGTCA
CCATCCCAGCTGGTGCCACAAACATTGATGTGAAACAGCGGAGTCACCCAGGGGTCAGGAACGACGGCAG
CTACCTGGCGCTGAAGACAGCCAATGGGCAGTACCTGCTCAATGGTAACCTGGCCATCTCTGCCATAGAG
CAAGACATCTTGGTGAAGGGGACCATCCTGAAGTACAGTGGCTCCATGGCTACCCTGGAGCGGCTGCAGA
GCTTCCAGGCCCTGCCTGAGCCTCTTACAGTACAGCTCCTGACTGTGTCTGGTGAGGTCTTCCCTCCAAA
AGTCAGATATACCTTCTTTGTCCCCAATGACATGGACTTCAGCGTGCAGAATAGCAAGGAAAGAGCAACC
ACCAACATCATTCAGTCACTGCCCTCTGCGGAGTGGGTTCTGGGAGACTGGTCTGAATGTCCGAGCACGT
GCAGAGGTAGCTGGCAGCGGCGGACTGTGGAATGCAGGGACCCCTCAGGTCAGGCCTCTGACACCTGTGA
TGAGGCTCTGAAACCTGAGGATGCCAAGCCCTGTGGAAGCCAGCCGTGTCCCCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013906

Insert Size:	2718 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_013906.3, NP_038934.2
RefSeq Size:	4613 bp
RefSeq ORF:	2718 bp
Locus ID:	30806
Cytogenetics:	9 16.49 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 expressed in mouse lung, heart and macrophage-rich areas of atherosclerotic plaques. The encoded preproprotein undergoes proteolytic processing to generate an active, zinc-dependent aggrecanase enzyme. This gene is located adjacent to a related ADAMTS gene on chromosome 9. [provided by RefSeq, May 2016]