

Product datasheet for **MC229302**

Adamts13 (NM_001290464) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adamts13 (NM_001290464) Mouse Untagged Clone
Tag: Tag Free
Symbol: Adamts13
Synonyms: ADAM-TS13; ADAMTS-13; Gm710; vWF-CP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229302 representing NM_001290464
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCCAGCTTTGCCTGTGGTTGACGTGCCAGCCTTGTATGCTGTGTCAGTGTGTCAGAGGAATCCTCACTG
 GTGCCATCTTCATTCTGGGCTGTGGGGCTCTCTGACTTCCAGAAGAGTCTTCTTCAAGATCTGGAGCC
 CAAGGATGTGCTTCTTACTTTGGCCACCATGCTGCTCCATTACAGGCCATCCTCCCTCTCACCTCCAG
 AGACTGAGACGGAGAAGGACTTTGGAGGACATTCTGCACCTGGAACCTCCTGGTAGCTGTGGGCCCGGATG
 TTTCCCGGGCTCATCAGGAGGACACAGAACGCTACGTGCTCACTAATCTCAATATCGGGTCAAGACTGTT
 GAGAAACCCATCCCTGGGAGTCCAGTTCACAGTGCACCTGGTGAAGCTAATCACCTCTCTGACTCAGAG
 AGTACTCCGAATATCACGGCCAACATCACCTCATCCTTGATGAGCGTCTGCGAGTGGAGCCAGACGATCA
 ACCCCACGATGACAGGGATCCAAGTACGCTGACCTGATTCTCTATATCACAGGTTTGACCTGGAGTT
 GCCTGATGGCAACCAGCAGGTTCCGGGTGTACCCAGCTGGGAGGTGCCTGCTCCCTTCTCTGGAGTTGC
 CTTACTACTGAGGATACTGGCTTTGACCTGGGGTACCCATCGCCATGAGATTGGGCACAGCTTCGGGC
 TGGACCATGATGGTGTCCAGGTAGTGGCAGCACCTGCAAGGCCAGTGGCCACGTGATGGCGGCTGATGG
 CGCAACACCTACTGGAGGACCCCTGGAGTGGTCTGCCTGCAGCCAAAGGCAGTTGCAGCACCTACTCAGC
 ACAGGGCAAATGCACTGCTTCCAGGACCCACCTGGGCTGCAGTACAGGACTTACACGGCACAGCTGATGG
 CACAGCCTGGCCTCTACTACAGTGCAGATGATCAGTGCCTGTGGCTTTTCGGTTCTGGGGCTGTCGCTG
 CACCTTCTCCAGGGAGGGTCTGGATGATGCCAGGCCCTGTCTGCCACACAGACCCCTTGACCAAAGC
 AGCTGCAGCCGCCTCCTTGTCTCTCTGGATGGGACAGAATGTGGTGTGGAGAAGTGGTGTCCAAGG
 CTCGCTGTCGCTCCCTAGCTGAGCTGGCTCCTGTGGCTGCAGTACATGGACTGGTCTAGCTGGGGCC
 CCATAGTCCCTGCTCCCATCCTGTGGAGAGGTGTGATTACCAGGAGGGTGGTGAACAACCCAGG
 CCTGCATTTGGGGACGTGCATGTGTGGGTGAAGACCTCCAGGCTAAGATGTGCAACACGCAGGCTTGTG
 AGAAGACTCAGCTGGAGTTCATGTCCGAGCAGTGTGCCAGACAGACAGACAACCACTGCAACTTTCCCA
 AGGCACTGCCTCCTTCTACCACTGGGATGCTGCTGTGCAGTATAGTCAAGGAGATACCCTGTGCAGACAC
 ATGTGCTGGGCTGTTGGAGAAAGCTTATTGTACGCCGTGGGGACAGGTTCTAGATGGGACCCGTTGTG



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TGCCAAGTGGTCCTCAGGATGATGGGACCCTAAGCCTCTGTTTGTGGGCAGCTGCAGGACCTTTGGCTG
TGATGGCAGGATGGACTCCCAGAAGTTTGGGATGCGTGCCAGGTGTGTGGAGGAGACAACAGCACCTGC
AGCTCACGGAAATGGTTCTTTACAGCTGGGAGAGCCAGAGAATATGTCACGTTTCTGATTGTTACTCCCA
ACATGACCAACGCACACATTGTCAACCCGAGGCCCTCTTTCACACACTTGGCGGTGAGGATCCAGGGCCA
CTACATTGTGGCAGGGAAGACTAGCATCTACCCAACACCACCTACCCTTCCCTTCTGGAGGACTACCGT
GTGGAATACAGAGTGACTCTCACTGAGGACCAGCTGCCCCACTTAGAGGAGATTCACATCCGGGGACCCG
TCCGGGATGACATTGAGATTGAGGTGTACAGACGATATGGAGGAGAATATGGGGATCTTACACACCAGA
CATCACCTTTTCTACTTTCAACTGAAGCAGCAGGCAGCCTGGGTATGGACCGCTAAGCGTGGACCCTGC
TCAGTGAGCTGTGGGGCAGGGCTGCGCTGGGTGACCTACAGCTGCCAGGATCAAGCTCAAGACAAGTGGG
TAAAGAACGCCAGTGCCAAGGGAGCCACAGCCACCTGCATGGCAAGAGCCTTGTGTCTGCCCCCTG
CTCCCCATATTGGGTAGCTGGGACTTCAGCCCATGTAGCGTGTCTTGTGGCGGGGGCCTTCGGGAGCGG
TCACTGCGCTGTGTAGAGACCAAGATGGCTTCTTAAAGACTGCCACCTGCCCGTGCAGAGCAGTAG
CCCAGCAGCCAGCAGCAGAAGTGAAAAGTGAACCTCCAGCCCTGTCCCACCAGGTGGGAGGTGCAGA
CCCTGGCCCTTGATGTCATCTGCCTGTGAGGCAGGTCTGGACTCAAGGAATGTGACATGTGTGCCAGG
GCGGGTGACCCGAGAAGCCAGAAAAGTGCAGGCCCTGCCGCACCGACGAGATGTCAGCTATGCTGGAGC
CCTGCTCCAGGAGCCTGTGTTCTCAGGCTTGGGTGAGGTGGACAACACCATGTCTCTGGGAGAGGAGGC
TCCATCCCCGGTGGGCAGTGACAAGCCAGGGGCTCAGGCTGAGCATGTGTGGACCCTCTGGTGGGGCTG
TGCTCCATCTCTTGTGGGAGAGGTCTGAAGAACTGTATTTCTGTGCATGGATTCTGCTCTCAAAATGC
CTGTCCAGGAAGAGCTATGCGGCTTGGCTAGTAAGCCCCAAGCCGGTGGGAGGTCTGCAGGGCTCGCCC
CTGTCTGCTCGGTGGGAGACTCAAGTCTTGGCACCGTGCCCGGTGACCTGTGGTGGGGGGCAGTGCCA
CTGTCTGTTGTTGTGTGCAGCTAGACCGTGGCCACCCGATATCTGTACCTCACTCCAAGTGTCTGCCAG
TGCCCTAAGCCAGGCTCCTTCGAGGACTGCAGCCCTGAGCCTTGTCTGCTAGGGCACTAGTGTGGGAAGC
CGCCCCACATTGCGCGTCACAAGATGGCGCTGA
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ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCACTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001290464

Insert Size:

3114 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).

OTI Annotation:

Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001290464.1](#), [NP_001277393.1](#)

RefSeq Size: 3474 bp

RefSeq ORF: 3114 bp

Locus ID: 279028

Cytogenetics: 2 A3

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. In certain mouse strains (C57BL/6, for example) an intracisternal A-type particle (IAP) retrotransposon sequence is located in the intron 23 that causes an alternate splicing event resulting in a shorter transcript variants encoding shorter isoforms. The encoded preproprotein undergoes proteolytic processing to generate an active enzyme that cleaves von Willebrand factor (VWF) in circulating blood. [provided by RefSeq, Jul 2016] Transcript Variant: This variant (IAP-a) lacks seven 3' exons but instead contains an alternate 3' terminal exon, and it thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (IAP-a) has a distinct C-terminus and is shorter than isoform 1. This isoform (IAP-a) may undergo proteolytic processing similar to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.