

Product datasheet for **SC214743**

ADAMTS4 (NM_005099) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ADAMTS4 (NM_005099) Human 3' UTR Clone
Symbol:	ADAMTS4
Synonyms:	ADAMTS-2; ADAMTS-4; ADMP-1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005099
Insert Size:	2000 bp



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Insert Sequence: >SC214743 3'UTR clone of NM_005099
 The sequence shown below is from the reference sequence of NM_005099. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGGCGGCCCCCTGGGCGGGCAGGAAATAACCTCACTATCCCGGCTGCCCTTTCTGGGCACCGGGGCT
CGGACTTAGCTGGGAGAAAGAGAGAGCTTCTGTTGCTGCCTCATGCTAAGACTCAGTGGGAGGGGCTG
TGGGCGTGAGACCTGCCCTCCTCTGCCCTAATGCGCAGGCTGGCCCTGCCCTGGTTTCTGCCCTG
GGAGGCAGTGATGGTTAGTGGATGGAAGGGGCTGACAGACAGCCCTCCATCTAAACTGCCCCCTGTC
CCTGCGGGTCACAGGAGGGAGGGGAAGGCAGGGAGGGCCTGGGCCCCAGTTGTATTTATTTAGTATTT
ATTCACTTTTATTTAGCACAGGGAAGGGGACAAGGACTAGGGTCTGGGGAACCTGACCCCTGACCCC
TCATAGCCCTCACCTGGGGCTAGGAAATCCAGGGTGGTGGTATAGGTATAAGTGGTGTGTATGCG
TGTGTGTGTGTGAAAATGTGTGTGTGCTTATGTATGAGGTACAACCTGTTCTGCTTTCTCTCTCTG
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GCAATGGCACAATCTCGGCTCACTGCATCCTCCGCTCCCGGGTCAAGTGATTCTCATGCCTCAGCCT
CCTGAGTAGCTGGGATTACAGGCTCCTGCCACCACGCCGGCTAATTTTTGTTTTGTTTTGTTGGAGA
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AGCAATTTCTCCTCAGCCTCCCGAGTAGCTGAGATTATAGGCACCTACCACCACGCCCGGCTAATT
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CATATTTTTTAAATTGAATTCTACTATTTATGTGATCCTTTTGGAGTCAGACAGATGTGGTTGCATCCT
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AGGATTAATAATGTAATAAAGAAGTACATAACTCAGCATCTAGTAAGTGTCAACAAATAGCAG
CTGCTGTTACTTACTGTTATCAAATTTCTGTCCACATCCACTCTCCATATGCACTGAAGGTGGCAAAG
ATCCACAACCATGGTGCCTGCTTTATCCTCAGGGTCCGTTCTTTGGTTGGCAGACCCCTATCCTGGG
TTCTGAGGGACCAACAGAGAAAGGAAAATCCATCCCTCACCTCTGGAAGTTCCCAATCACAGGAAGGA
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AACAAAGAACAAGTGCATCAACACAAATGAGTGCTTAGTAATAAGGGTGATAGTTGAGGGGCTCGGGTTT
CACAACAGTAGAAAGAGCACTGGAGTGGGAGCCAGCGGGTCTGGATTCAATTTGGGGCTCGGCGTCTTA
TTAGCTGGGTGGTGTGGGTAAGTCACTGATGCTGAGCCTTAGATTGCTCATATGGGACTAACAGTATC
TACTCCCACAGAGTTGTTCTGGGAACAAATGCTAGAATATTTCAAATAGTAAAGGTTATAGTCATG
ACGCGT AAGCGGCCCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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- Restriction Sites:** SgfI-MluI
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
- Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
- RefSeq:** [NM_005099.6](#)

Summary:

This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of this family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The enzyme encoded by this gene lacks a C-terminal TS motif. The encoded preproprotein is proteolytically processed to generate the mature protease. This protease is responsible for the degradation of aggrecan, a major proteoglycan of cartilage, and brevican, a brain-specific extracellular matrix protein. The expression of this gene is upregulated in arthritic disease and this may contribute to disease progression through the degradation of aggrecan. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]

Locus ID:

9507

MW:

74.1