

Product datasheet for **SC211049**

ADAM17 (NM_003183) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ADAM17 (NM_003183) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ADAM17
Synonyms:	ADAM18; CD156B; CSVP; NISBD; NISBD1; TACE
ACCN:	NM_003183
Insert Size:	1721 bp



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Insert Sequence: >SC211049 3'UTR clone of NM_003183
 The sequence shown below is from the reference sequence of NM_003183. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
CGTGTTGACAGCAAAGAACAGAGTGCTAATTTAGTTCTCAGCTTCTGACTTAAGTGTGCAAAATAT
TTTTATAGATTTGACCTACAAATCAATCACAGCTTGTATTTTGTGAAGACTGGGAAGTACTTAGCAGA
TGCTGGTCATGTGTTGAACTTCTGCAGGTAACAGTCTTGTGTGGTTTGGCCCTTCTCTTTTGAA
AAGGTAAGGTGAAGGTGAATCTAGCTTATTTTGGGCTTTCAGGTTTTAGTTTTTAAAATATCTTTTGA
CCTGTGGTGCAAAAGCAGAAAATACAGCTGGATTGGGTTATGAATATTTACGTTTTTGTAAATTAATCT
TTTTATTTGATAACAGCACTGACTAGGGAAATGATCAGTTTTTTTTTATACACTGAATGAACCGCTGA
ATATGAGGCATTTGGCATTATTTGTGATGACAACTGGAATAGTTTTTTTTTTTTTTTTTTTTTTTGC
CTTCAACTAAAAACAAAGGAGATAAATCTAGTATACATTGTCTCTAAATTTGTTGGTCTATTTCTAGTTA
TTACCCAGAGTTTTTATGTAGCAGGGAAAATATATATCTAAATTTAGAAATCATTGGGGTAAATATGGC
TCTTCATAAATTCTAAGACTAATGCTCTCTAGAAACCTAACCCACCTACCTACAGTGAGGGCTATACATG
GTAGCCAGTTGAATTTATGGAATCTACCAACTGTTTAGGGCCCTGATTTGCTGGGCAGTTTTTCTGTAT
TTTATAAGTATCTTCATGTATCCCTGTTACTGATAGGGATACATGCTCTTAGAAAATTCACTATTGGCT
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TGGGTGACAGAGTGAGACTCTGCCTCAAAAAAAAAAAAAAAAAAAAAAAAAATTCACTATCTACAAACCTA
GAATATTTAAAATACAAAGATTGCCTGTTTTCAAACTATTGAATAAGAGGGTGAGATATTTCTTAAC
AACAAACAACAACAAAAAAAAACAGGTTGTTTTGAATGTGATGAGCCAGCCAGGAGATAGAATACTACCTG
CCCTTAGGGTTGGGGCTGTCCCAACAAGACTTGATACTTCAGAAACCCTTTTTATTGACCCACAAGCA
GATATTTGAATTACTTCTACTTTATTGCTCCAGGATTCTGGATGGGCTGCATTTACTGTGTGAAGGAT
AAAAATCATTAGCCTGGATTCTGATTTCTATAAATTGCCATTAAGCTTTTTTTCCCTAAGAAGTGA
AATGTGCTCACCAGCCAAAACATTTTAACTTGTAAATTTGAGGGCAGTTAACCAACCTGTGACTAAT
CATATCTCTCTACCCCCATTTCCAAGGACATTTGTTACTCAGATACTTGTATACTAATACTTGAA
CTTGTACCTTATGGTATTTGCTATCTTTAACTAGTCATGATATCTTATACTTTAGTTACACTTTTGG
AATTTGATACAAGTTGAGTGGGGTGTGGGTGTATGTATGAGTGAAACAGTTCTCAAAGAATGTAA
GAAAAACCATTTTTATAAATTGTGACTTTTTAAAAACATAGTCTTTGTCATTTATAGAATTAACAAGC
TGCTCAGGGTATATTTATAGCTGTAGCACTGATATCTGCATTAATAAATACTGTGCAAAACAAA
ACGCGTAAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-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_003183.6](#)

Summary:

This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biologic processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The encoded preproprotein is proteolytically processed to generate the mature protease. The encoded protease functions in the ectodomain shedding of tumor necrosis factor-alpha, in which soluble tumor necrosis factor-alpha is released from the membrane-bound precursor. This protease also functions in the processing of numerous other substrates, including cell adhesion proteins, cytokine and growth factor receptors and epidermal growth factor (EGF) receptor ligands, and plays a prominent role in the activation of the Notch signaling pathway. Elevated expression of this gene has been observed in specific cell types derived from psoriasis, rheumatoid arthritis, multiple sclerosis and Crohn's disease patients, suggesting that the encoded protein may play a role in autoimmune disease. Additionally, this protease may play a role in viral infection through its cleavage of ACE2, the cellular receptor for SARS-CoV and SARS-CoV-2. [provided by RefSeq, Aug 2020]

Locus ID:

6868

MW:

66.8