

Product datasheet for **SC117782**

ADAM23 (NM_003812) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM23 (NM_003812) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAM23
Synonyms:	MDC-3; MDC3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_003812, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCCGCCCGCAGCAGCTCGCGGCAGCCGCCCTGGCGGGCTGCAGCCTTGCCGGCGCTTCTCTGCG
GCCCCCAACGCGGCCCGCCGGCTCGGTGCCTGCCAGCGCCCGGCCGACGCCCGCTGCCGCCTGCT
TCTCGTCTTCTCTGCTCGCTCGCTCGCCGCTCGTCCCGGCCCGCGCTGGGGGGTCTGCGCCC
AGCGCTCCGCATTGGAATGAAACTGCAGAAAAAATTTGGGAGTCTGGCAGATGAAGACAATACATTGC
AACAGAATAGCAGCAGTAATATCAGTTACAGCAATGCAATGCAGAAAGAAATCACACTGCCTTCAAGACT
CATATATTACATCAACCAAGACTCGGAAAGCCCTTATCACGTTCTTGACACAAAGGCAAGACACCAGCAA
AAACATAATAAGGCTGTCCATCTGGCCAGGCAAGCTTCCAGATTGAAGCCTTGGCTCCAAATTCATTC
TTGACCTCATACTGAACAATGGTTTGTGTCTTCTGATTATGTGGAGATTCACACGAAATGGGAAACC
ACAGTACTCTAAGGGTGGAGAGCACTGTTACTACCATGGAAGCATCAGAGGCGTCAAAGACTCCAAGGTG
GCTCTGTCAACCTGCAATGGACTTCATGGCATGTTTGAAGATGATACCTTCGTGTATATGATAGAGCCAC
TAGAGCTGGTTTCATGATGAGAAAAGCACAGGTCGACCACATATAATCCAGAAAACCTTGGCAGGACAGTA
TTCTAAGCAAATGAAGAACTCTACTATGAAAAGAGGTGACCAGTGGCCCTTCTCTCTGAATTACAGTGG
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CTAGCAGAAAGCCAAAATGTGACTGCACAGAATCCTGGGGTGGCTGCATCATGGAGGAAACAGGGGTGTC
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TGCTTTTCAACAGGCCAACAAAGCTATTTGAGCCACGGAATGTGAAAATGGATACGTGGAAGCTGGGG
AGGAGTGTGATTGTGGTTTTCATGTGGAATGCTATGGATTATGCTGTAAGAAATGTTCCCTCTCAAACGG
GGCTCACTGCAGCGACGGGCCCTGCTGTAACAATACCTCATGTCTTTTTCAGCCACGAGGGTATGAATGC
CGGGATGCTGTGAACGAGTGTGATATTACTGAATATTGTACTGGAGACTCTGGTCAGTCCCACCAAAATC
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AGACAACCAGTGTGAGTACATCTGGGGAACAAAGGCTGCAGGGTCTGACAAGTTCTGCTATGAAAAGCTG
AATACAGAAGGCACTGAGAAGGGAAACTGCGGGAAGGATGGAGACCGGTGGATTCAAGTGCAGCAACATG
ATGTGTTCTGTGGATTCTTACTCTGTACCAATCTTACTCGAGCTCCACGTATTGGTCAACTTCAGGGTGA
GATCATTTCAACTTCCTTCTACCATCAAGGCCGGGTGATTGACTGCAGTGGTGCCCATGTAGTTTTAGAT
GATGATACGGATGTGGGCTATGTAGAAGATGGAACGCCATGTGGCCCGTCTATGATGTGTTTAGATCGGA
AGTGCCTACAAATTAAGCCCTAAATATGAGCAGCTGTCCACTCGATTCCAAGGGTAAAGTCTGTTCCGG
CCATGGGGTGTGTAGTAAAGCCACCTGCATTTGTGATTTACCTGGGCAGGGACAGATTGCAGTATC
CGGGATCCAGTTAGGAACCTTCAACCCCAAGGATGAAGGCCCAAGGGTCTAGTGCCACCAATCTCA
TAATAGGCTCCATCGCTGGTGCCATCCTGGTAGCAGCTATTGTCCTTGGGGGCACAGGCTGGGGATTTAA
AAATGTCAAGAAGAGAAGGTTTCGATCCTACTCAGCAAGGCCCATCTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003812 unedited TGTGCGAGGATATTATGTNAACACGNATTTCACTATCAGGGNCGGAACGCCCAATTCGGC ACGAGGGCCCGGCGGCAGCCCCCGCAGTCGCTGAAGCGGCCGCGCCCGGGGGAGGGA GTAGCCGCTGGGGAGGCTCCAAGTTGGCGGAGCGGCGAGGACCCCTGGACTCCTCTGCGT CCCCCCCCGGGAGTGGCTGCGAGGCTAGCGAGCCGGGAAAGTTGTTCCGCCAGCCCCG AGCCCCGCGCCCGTGCCCGAGCCCGGAGCCCCCTGCCCGCCGCGCACCATGCGCGCG GAGCCCGCGGTGACCGGCTCCGCCCGCGGCCCGCCCGCAGCTAGCCCGCGCTCTCGCCGG CCACACGGAGCGCGCCCGGAGCTATGAGCCATGAAGCCGCCCGCAGCAGCTCGCGGC AGCCGCCCTGGCGGGTGCAGCCTTGGCGGCGCTTCTGCGGCCCAACGCGGCCCGG CCGGCTCGGTGCCTGCCAGCGCCCCGGCCGACGCCGCCCTGCCGCTGCTTCTCGTAC TTCTACTGCTGCCTCCGCTCGCCGCTAGTCCCGCCCCGCGCCTGGGGGGCTGTGCGC CCCACGCTCCGCATTGGAATGAACTGCAGAAACAAATCCGGGAGTCTGGCCGATGAAG ACCATACCTTGAACCAGATAGCAGCCGTAATATCCGTTACAGCCATGCACTGCAGAAAG CAATCACCTGCCTTCAAGACTTATATATTACATCAACCAAGACTTGGCAAGCCCCTATC ACGTTCTTGACCCAAAGCCAGACACCGCCAAAACATAATAAGGCTGTCCATCCGGCCAG CAAGCTTCCAGATGGAGCCCTCGCTCCAAATTAATCTTACCTCATACGAACCAAGTT CGTGGCTTCCCGACTAGTCGGAN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003812 unedited GCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTAAATGATTCCTTTATTGCATT TAATTTTTGTGTGTGTGTGTTCTTTCGTCATTAGGGAAAAAAGATCTGGAACAGTT CTTTTTATAGCATGGTCTTTTGGCCCTCCCCGTTTACTGACAGGTGGTAAAAGGTGTT CTTTGACATTATTTCCAAAAGAGACAGTTTTCTTTTACCCCATCCTTGTACCCCAACT TAGCTCCGTAGTCATTACCACCCAAAGTTTTTGTTTACAAACTTAATAGTTCCAGTAACA CTGCTGCGAGTATGTCATACCCAGAATCCAACAGTGCAAGGCGGTGCCATCCAGCGCAG CTGATTAGATGGGGCTTGTGAGTAGGATCGAACCTTCTTCTTGTGACATTTTTAAAT CCCCAGCTGTGCCCCAAGGACAATAGCTGCTACCAGGATGGCACCAGCGATGGAGCCT ATTATGAGATTGGTGGCACTAGGACCCTTGGGTCTTTCATCCTTGGGGGGTGAAGGTT CTAAGTGGATCCCGGATACTGCAATCTGTCCCTGCCAGGTGAAATCACAAATGCAGGTG GCTTCTACTACACACCCCATGGCCCGAACAGACTTTACCCTTGAATCGAGTGGACAG CTGCTCATATTTAGGGCTTGAATTTGTANGCACTTCCGATCTAAACACATCATAGACGGG CCACATGGCGTTCATCTTCTACATAGCCACATCCGTATCATCATCTAAACTACATGG GCACCACTGCAGTCAATCACCCGCTTGTGTTANAAGGAAGTGAATGATTCTACCCT GAAGTGACCAATACGTGGAGCTCGAGTAAGATTGGCCAGAGTAAGATCCACAGACATC TGTTTGTGCACTGATCCCCGNCTCATCTNCCGAG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003812
Insert Size:	2900 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_003812.2 , NP_003803.1
RefSeq Size:	3059 bp
RefSeq ORF:	2499 bp
Locus ID:	8745
UniProt ID:	O75077
Cytogenetics:	2q33.3
Domains:	Reprolysin, DISIN, Pep_M12B_propep, ACR
Protein Families:	Druggable Genome, Protease, Secreted Protein, Transmembrane
Gene 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 biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. It is reported that inactivation of this gene is associated with tumorigenesis in human cancers. [provided by RefSeq, May 2013]