

Product datasheet for **SC117728**

ADAM20 (NM_003814) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM20 (NM_003814) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAM20
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_003814 edited
 AGCGGGAGTTCAGCAGTGTGTTTAAAGACTAGGGTCATGCCACATCAATCTCAGATTCCC
 ATTTTATCTTTCTTTTTTGGTATCACTCCTAGTACCAAGTCTTGTGTCTGTCAATATCCT
 GTCCAAAAAGAAAAACACCAAGGAAAATTAATATAGGAAAAATTTAAAAAGTTATTA
 GAGGACTGAAAATATAAAATGGAACACTGAAAGACACAGAGTTTTATTTTCAGCACTG
 CAGCTCTGATGGTCCAGCTCCACCAGGACACAGATCCCCAGATCCCTAAAGGTCAGCCAT
 GCACCCCTGAACAGCTCAGAGGGAGGAGCCAGACCAGCAGTGCCTCACACCTTGTCTCTT
 CTGCTCTAGACAGATGGCTCCATAATGACAGCTTCATAATGGCAGTGGGTGAGCCCTGG
 TGCACATCAGGGTCACTCTTCTGCTGCTGGTTTGGGATGTTTTGTCTATTTCTGGCC
 ACTCTCAGGCCAGGCCCTCCCAGTATTTCACTTCTCCAGAAGTGGTGATCCCTTTGAAGG
 TGATCAGCAGGGGAGAGGTGCAAAGGCTCCTGGATGGCTCTCTATAGCCTGCGGTTTG
 GGGGACAGAGATACATTGTCCACATGAGGGTAAATAAGCTGTTGTTTGTGCACACCTTC
 CTGTGTTACCTACACAGAGCAGCATGCCCTGCTCCAGGATCAGCCCTTCATCCAGGATG
 ACTGCTACTACCATGGTTATGTGGAGGGGGTCCCTGAGTCCTTGGTTGCCCTTAGTACCT
 GTTCTGGGGGCTTCTTGAATGTACAGATAAATGACCTTGTATGAAATCAAGCCAA
 TTAGTGTCTGCCACATTTGAACACCTAGTATAAAGATAGACAGTGATGATACACAGT
 TTCCACCTATGAGATGTGGGTTAACAGAAGAGAAAATAGCACACCAGATGGAGTTGCAAT
 TGTCAATAATTTCACTCTGAAGCAAAGTTCTTTTGTGGGCTGGTGGACCCATCAGCGGT
 TTGTTGAGCTGGTAGTGGTCGTGGATAATATTAGATATCTTTTCTCTCAAAGTAATGCAA
 CAACAGTGCAGCATGAAGTATTTAACGTTGTCAATATAGTGGATTCTTCTATATCCTT
 TGGAGGTTGATGTAATTTGACTGGAATTGATATATGGACTGCATCAAATCCACTTCCTA
 CCAGTGGAGACCTAGATAATGTTTTAGAGGACTTTTCTATTTGGAAGAATTATAACCTTA
 ATAATCGACTACAACATGATGTTGCACATCTTTTCATAAAAGACACACAAGGCATGAAGC
 TTGGTGTGCCTATGTTAAGGAATATGCCAGAATCCTTTTAATACTGGAGTTGATGTTT
 TTGAAGACAACAGGTTGGTCGTTTTTGCATTACTTTGGGCCACGAGCTTGGTCATAATT
 TGGGTATGCAACATGACACCCAGTGGTGTGTGCGAGCTACAGTGGTGCATAATGCATG
 CCTATAGAAAGGTGACAATAAATTTAGCAACTGCAGTTATGCCAATATTGGGACAGTA
 CTATCAGTAGTGGATTATGTATTCAACCGCTCCATATCCAGGGAATATATTTAGACTGA
 AGTACTGTGGGAATCTAGTGGTTGAAGAAGGGGAGGAATGTGACTGTGGAACCATACGGC
 AGTGTGCAAAAAGATCCCTGTTGTCTGTTAACTGTACTTACATCCTGGGGCTGCTTGTG
 CTTTTGGAATATGTTGCAAAGACTGCAAAATTTCTGCCATCAGGAACTTTATGTAGACAAC
 AAGTTGGTGAATGTGACCTTCCAGAGTGGTGAATGGGACATCCCATCAATGCCAGATG
 ATGTGTATGTGACAGGACGGGATCTCCTGTAATGTGAATGCCTTCTGCTATGAAAAGACGT
 GTAATAACCATGATATACAATGTAAAGAGATTTTTGGCCAAGTGAAGGAGTGCATCTC
 AGAGTTGCTACCAAGAAATCAACACCCAAGGAAACCGTTTCGGTCACTGTGGTATTGTAG
 GCACAACATATGTAATAATGTTGGACCCCTGATATCATGTGTGGGAGGGTTCAGTGTGAAA
 ATGTGGGAGTAATTTCCAATCTGATAGAGCATTCTACAGTGCAGCAGTTTCACCTCAATG
 ACACCCTTGTGGGGCACTGATTATCATTAGGGATGGCTATACCTGATATTGGTGAGG
 TGAAGAATGGCACAGTATGTTGGTCCAGAAAAGATCTGCATCCGTAAGAAGTGTGCCAGTA
 TGGTTCATCTGTACAAGCCTGTGAGCCTAAGACCTGCAACATGAGGGGAATCTGCAACA
 ACAAAACAACACTGTCACTGCAACCATGAATGGGACCCCCATACTGCAAGGACAAAAGGCT
 ATGGAGGTAGTGTGATAGTGGCCACCTCCTAAGAACAACATGGAAGGATTAATGTGA
 TGGGAAAGTTGCGTTACCTGTCACTATTGTGCCTTCTTCTTTGGTTGCTTTTTTATTAT
 TTTGCTTACATGTGCTTTTTAAGAAACGCACAAAAAGTAAAGAAGATGAAGAAGGATAAG
 AGAAATGGGAAAAAGAAGGAGACTAAACTTTATACTTCATTTTTAATATCCAATTTTTTA
 ATAGAAAAATATGAAGCCATGTCTCACTGTTTAAATAAACTTCATGGACATTTTCATGTC
 AGGATTGCAAGCATTAGCTATCACAGCAAAGGATTCTAGCCTATTCTTACTTACTCTAC
 AGTGTCTTAAGCAATATTAAGGTTCTTTTCCAAAAAATTTTTTTTTTTTTTTTTTTTTT

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003814 unedited GGGGCAGTTCGGATTTGTAACGACTCACTATAGGCGGCCGCATAACTTCGTATAGCATA CATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGGA GTTCCAGCAGTGTGTTAAAGACTAGGGTCATGCCACATCAATCTCAGATCCCATTTTAT CTTTCTTTTTGGTATCACTCCTAGTACCAAGTCTTGTGTCTGTCAATATCCTGTCCAAA AAAGAAAAACACACCAAGGAAAAATTAATATAGGAAAAATTTAAAAAGTTATTAGAGGACT GAAAATATAAAAATGGAACACTGAAAGACACAGAGGTTTTATTTTCAGCACTGCAGCTCT GATGGTCCAGCTCCACCAGGACACAGATCCCCAGATCCCTAAAGGTCAGCCATGCACCCT GAACAGCTCAGAGGGAGGAGCCAGACCAGCAGTGCCTCACACCTTGTCTCTTCTGCTCT AGACAGATGGCTCCATAATGACAGCTTCATAATGGCAGTGGGTGAGCCCTGGTGACAT CAAGGTCACTCTTCTGCTGCTCTGGTTGGGATGTTTTGTCTATTTCTGGCCACTCTCA GGCCAGGCCCTCCAGTATTTCACTTCTCCAGAAGTGGTATCCCTTTGAAGGTGATCAG CAGGCGCAGAGGTGCAAAGGCTCCTGGATGGCTCTCTATAGCCTGCGGTTTGGGGACA GAGATACATTGTCCACATGAGGGTAAATAAGCTGTTGTTGCTGCACACCTTCTGTGTT CACCTACACAGAGCAGCATGCCCTGCTCCAGGATCAGCCCTTCATCCAGGATGACTGCTA CTACCATGGTTATGTGGGAGGGCTCCCTGAGTCTTGGTTG
Restriction Sites:	Please inquire
ACCN:	NM_003814
Insert Size:	2810 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:	<u>NM_003814.4</u> , <u>NP_003805.3</u>
RefSeq Size:	2807 bp
RefSeq ORF:	2331 bp
Locus ID:	8748
UniProt ID:	<u>O43506</u>
Cytogenetics:	14q24.2
Protein Families:	Druggable Genome, Protease, 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. The expression of this gene is testis-specific. [provided by RefSeq, Jul 2008]