

Product datasheet for **RC205168**

ADAM20 (NM_003814) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM20 (NM_003814) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAM20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC205168 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTCCAGCTCCACCAGGACACAGATCCCCAGATCCCTAAAGGTCAGCCATGCACCCTGAACAGCTCAG
 AGGGAGGAGCCAGACCAGCAGTGCCTCACACCTTGTTCTTCTGCTCTAGACAGATGGCTCCATATGA
 CAGCTTCATAATGGCAGTGGGTGAGCCCTGGTGACATCAGGGTCACTCTTCTGCTGCTCTGGTTTGGG
 ATGTTTTTGTCTATTTCTGGCCACTCTCAGGCCAGGCCCTCCCAGTATTTCACTTCTCCAGAAGTGGTGA
 TCCCTTTGAAGGTGATCAGCAGGGGAGAGGTGCAAAGGCTCCTGGATGGCTCTCCTATAGCCTGCGGTT
 TGGGGGACAGAGATACATTGTCCACATGAGGGTAAATAAGCTGTTGTTTGTGCTGCACACCTTCTGTGTT
 ACCTACACAGAGCAGCATGCCCTGCTCCAGGATCAGCCCTTCATCCAGGATGACTGCTACTACCATGGTT
 ATGTGGAGGGGTCCTGAGTCCCTGGTGGCCCTTAGTACCTGTTCTGGGGGCTTTCTTGAATGCTACA
 GATAAATGACCTGTTTTATGAAATCAAGCCAATTAGTGTTCGCCACATTTGAACACCTAGTATATAAG
 ATAGACAGTGATGATACACAGTTCCACCTATGAGATGTGGGTTAACAGAAGAGAAAAATAGCACACCAGA
 TGGAGTTGCAATTGTCATATAATTTCACTCTGAAGCAAAGTTCTTTTGTGGGCTGGTGGACCCATCAGCG
 GTTTGTTGAGCTGGTAGTGGTCGTGGATAATATTAGATATCTTTTCTCTCAAAGTAATGCAACAACAGTG
 CAGCATGAAGTATTTAACGTTGTCAATATAGTGGATTCCTTCTATCATCCTTTGGAGGTTGATGTAATTT
 TGACTGGAATTGATATATGGACTGCATCAAATCCACTTCTACCAGTGGAGACCTAGATAATGTTTTAGA
 GGACTTTTCTATTTGGAAGAATTATAACCTTAATAATCGACTACAACATGATGTTGCACATCTTTTCATA
 AAAGACACACAAGGCATGAAGCTTGGTGTGCCTATGTTAAAGGAATATGCCAGAATCCTTTTAATACTG
 GAGTTGATGTTTTTGAAGACAACAGGTTGGTGTGTTTTTGTCAATTACTTTGGGCCACGAGCTTGGTCATA
 TTTGGGTATGCAACATGACACCCAGTGGTGTGTGCGAGCTACAGTGGTGCATAATGCATGCCTATAGA
 AAGGTGACAACCTAAATTTAGCAACTGCAGTTATGCCCAATATTGGGACAGTACTATCAGTAGTGGATTAT
 GTATTCACCCGCTCCATATCCAGGGAATATTTAGACTGAAGTACTGTGGAACTAGTGGTTGAAGA
 AGGGGAGGAATGTGACTGTGGAACCATACGGCAGTGTGCAAAAGATCCCTGTTGTCTGTTAACTGTACT
 CTACATCCTGGGCTGCTTGTGCTTTTGGAAATGTTGCAAAGACTGCAAATTTCTGCCATCAGGAACTT
 TATGTAGACAACAAGTTGGTGAATGTGACCTCCAGAGTGGTGAATGGGACATCCCATCAATGCCCAGA
 TGATGTGTATGTGCAGGACGGGATCTCCTGTAATGTGAATGCCTTCTGCTATGAAAAGACGTGTAATAAC
 CATGATATACAATGTAAGAGATTTTTGGCCAAGATGCAAGGAGTGCATCTCAGAGTTGCTACCAAGAAA
 TCAACACCCAAGGAAACCGTTTTCGGTCACTGTGGTATTGTAGGCACAACATATGTAATGTTGGACCCC
 TGATATCATGTGTGGGAGGGTTCAGTGTGAAAATGTGGGAGTAATCCCAATCTGATAGAGCATTCTACA
 GTGCAGCAGTTTCACCTCAATGACACCCTTGCTGGGGCACTGATTATCATTTAGGGATGGCTATACCTG
 ATATTGGTGAAGTGAAGATGGCACAGTATGTGGTCCAGAAAAGATCTGCATCCGTAAGAAGTGTGCCAG
 TATGGTTCATCTGTCACAAGCCTGTCAGCCTAAGACCTGCAACATGAGGGGAATCTGCAACAACAAACAA
 CACTGTCACTGCAACCATGAATGGGCACCCCATACTGCAAGGACAAAGGCTATGGAGGTAGTGTGATA
 GTGGCCCACCTCCTAAGAACAACATGGAAGGATTAATGTGATGGGAAAGTTGCGTTACCTGTCACTATT
 GTGCCTTCTTCTTTGGTTGCTTTTTTATTATTTTGTTCATATGTGCTTTTTTAAGAAACGCACAAAAAGT
 AAAGAAGATGAAGAAGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205168 protein sequence
Red=Cloning site Green=Tags(s)

MVQLHQDTDPQIPKGPCTLNSSSEGGARPAVPHTLFSSALDRWLHNSFIMAVGEPLVHIRVTLLLLWFG
MFLSISGHSQARPSQYFTSPEVVIPLKVISRGRGAKAPGWL SYSLRFGGQRYIVHMRVNKLLFAAHLPVF
TYTEQHALLQDQPFIQDDCYHHGYVEGVPELVALSTCSGGFLGMLQINDLVYEIKPISVSATFEHLVYK
IDSDDTQFPPMRCGLTEEKIAHQMELQLSYNFTLKQSSFVGGWTHQRFVELVVVDNIRYLF SQSNATTV
QHEVFNVVNI VDSFYHPLEVDVILTGIDIWTASNPLPTSGDLDNVLEDFSIWKNYNLNNRLQHDVAHLFI
KDTQGMKLGVAAYVKGICQNPNTGVDVFEDNRLVVFATLGHGELGHNLMQHDQWCVCELQWCMHAYR
KVTTKFSNCSYAQYWDSTISSGLCIQPPYPGNIFRLKYCGNLVVEEGEECDCGTIRQCAKDPCCLLNCT
LHPGAACAFGICCKDCKFLPSGTLCRQQVGECDLPEWCNGTSHQCPDDVYVQDGISCNVNAFCYEKTCNN
HDIQCKEIFGQDARSASQSCYQEINTQGNRFGHCGIVGTTYVKCWTPDIMCGRVQCENVGVIPNLIHST
VQQFHLNDTTCWGTDYHLGMAIPDIGEVKDGTVCGPEKICIRKKCASMVHLSQACQPKTCNMRGICNNKQ
HHCNHEWAPPYCKDKGYGGSADSGPPPKNMEGLNVMGKLRYSLLCLLPLVAFLLFCLHVLFKKRTKS
KEDEEG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6754_e08.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_003814

ORF Size: 2328 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_003814.4](#), [NP_003805.3](#)

RefSeq Size: 2807 bp

RefSeq ORF: 2181 bp

Locus ID: 8748

UniProt ID: [O43506](#)

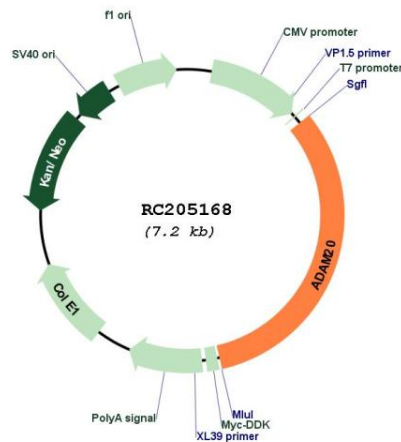
Cytogenetics: 14q24.2

Protein Families: Druggable Genome, Protease, Transmembrane

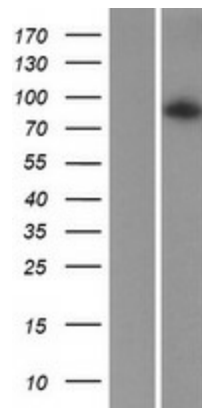
MW: 87.1 kDa

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]

Product images:



Circular map for RC205168



Western blot validation of overexpression lysate (Cat# [LY418415]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205168 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).