

## Product datasheet for **RC239629**

### ADAM29 (NM\_001278125) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM29 (NM_001278125) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAM29
Synonyms:	CT73; svph1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RC239629 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGATGTTACTCCTGCTGCATTGCCTTGGGGTGTTCCTGTCCTGTTCTGGACACATCCAGGATGAGC  
 ACCCCCAATATCACAGCCCTCCGGATGTGGTGATTCTCTGTGAGGATAACTGGCACCACCAGAGGCATGAC  
 ACCTCCAGGCTGGCTCTCCTATATCCTGCCCTTTGGAGGCCAGAAACACATTATCCACATAAAGGTCAAG  
 AAGCTTTTGTTCCTCAAACACCTCCCTGTGTTACCTACACAGACCAGGGTGCTATCCTTGAGGACCAGC  
 CATTGTGCCAGAATAACTGCTACTATCATGGTTATGTGGAAGGGGACCCAGAATCCCTGGTTTCCCTCAG  
 TACCTGTTTTGGGGTTTTCAAGGAATATTACAGATAAATGACTTTGCTTATGAAATCAAGCCCCTAGCA  
 TTTTCTACCACGTTTGAACATCTGGTATACAAGATGGACAGTGAGGAGAAACAATTTTCAACCATGAGAT  
 CCGGATTTATGCAAAATGAAATAACATGCCGAATGGAATTTGAAGAAATGATAATCCACTCAGAAGCA  
 AAGTTCTTATGTGGGCTGGTGGATCCATTTTAGGATTGTTGAAATGTAGTCGTCATTGATAATTATCTG  
 TACATTCGTTATGAAAGAACGACTCAAAGTTGCTGGAGGATCTATATGTTATTGTTAATATAGTGGATT  
 CCATTTTGGATGTCATTGGTGTTAAGGTGTTATTTTGGTTTGGAGATCTGGACCAATAAAAAACCTCAT  
 TGTAGTAGATGATGTAAGGAAATCTGTGCACCTGTATTGCAAGTGGAAAGTCGGAGAACATTACGCCCCGG  
 ATGCAACATGACACCTCACATCTTTTCACAACTCTAGGATTAAGAGGGTTAAGTGGCATAGGAGCTTTTA  
 GAGGAATGTGTACACCACACCGTAGTTGTGCAATTGTTACTTTTCAACAAAACCTTTGGGCACCTTTTTC  
 AATTGCAGTGGCTCATCTAGTGCATAAATTTGGGCATGAACCATGATGAGGATACATGCTGTTGTTCA  
 CAACCTAGATGCATAATGCATGAAGGCAACCCACCAATAACTAAATTTAGCAATTGTAGTTATGGTGATT  
 TTTGGGAATATACTGTAGAGAGGACAAAGTGTTCCTTGAACAGTACACACAAAGGACATCTTTAATGT  
 GAAGCGCTGTGGGAATGGTGTGTTGAAGAAGGAGAAGAGTGTGACTGTGGACCTTTAAAGCATTGTGCA  
 AAAGATCCCTGCTGTCTGTCAAATGCACTCTGACTGATGGTTCTACTTGTGCTTTTGGGCTTTGTTGCA  
 AAGACTGCAAGTTCCTACCATCAGGAAAAGTGTGTAGAAAGGAGGTCAATGAATGTGATCTCCAGAGTG  
 GTGCAATGGTACTTCCCATAAGTGCCAGATGACTTTTATGTGGAAGATGGAATTCCTGTAAGGAGAGG  
 GGCTACTGCTATGAAAAGAGCTGTGATGCCGCAATGAACAGTGTAGGAGGATTTTGGTGCAGGCGCAA  
 TACTGCAAGTGAGACTTGCTACAAAGAATTGAACACCTTAGGTGACCGTGTGGTCACTGTGGTATCAA  
 AAATGCTACATATATAAAGTGAATATCTCAGATGTCCAGTGTGGAAGAATTCAGTGTGAGAATGTGACA  
 GAAATTCCAATATGAGTGATCATACTACTGTGCATTGGGCTCGCTTCAATGACATAATGTGCTGGAGTA  
 CTGATTACCATTTGGGGATGAAGGGACCTGATATTGGTGAAGTGAAGATGGAACAGAGTGTGGGATAGA  
 TCATATATGCATCCACAGGCACTGTGTCCATATAACCATCTTGAATAGTAATTGCTCACCTGCATTTTGT  
 AACAAAGAGGGGCATCTGCAACAATAAACATCACTGCCATTGCAATTATCTGTGGGACCTCCCAACTGCC  
 TGATAAAAGGCTATGGAGGTAGTGTGACAGTGGCCACCCCTAAGAGAAAAGAAAAAGAAAGTTCTG  
 TTATCTGTGTATATTGTTGCTTATTGTTTTGTTATTTTATTATGTTGCTTTATCGACTTTGTAATAAAA  
 AGTAAACCAATAAAAAAGCAGCAAGATGTTCAAACCTCCATCTGCAAAAAGAGGAAAAAATTCAGCGTC  
 GACCTCATGAGTTACCTCCAGAGTCAACCTTGGGTGATGCCTTCCCAGAGTCAACCTCCTGTGACGCC  
 TTCCCAGAGTCATCCTCAGGTGATGCCTTCCCAGAGTCAACCTCCTGTGACACCTCCCAGAGTCAACCT  
 CGGGTGATGCCTTCTCAGAGTCAACCTCCTGTGATGCCTTCCCAGAGTCATCCTCAGTTGACGCCTTCCC  
 AGAGTCAACCTCCTGTGACACCTCCCAGAGGCAACCTCAGTTGATGCCTTCCCAGAGTCAACCTCCTGT  
 GACGCCCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC239629 protein sequence  
Red=Cloning site Green=Tags(s)

MKMLLLHCLGVFLSCSGHIQDEHPQYHSPPDVVIPVRITGTTTRGMTPPGWL SYILPFGGQKHIIHIKVK  
KLLFSKHLPVFTYTDQGAILEDQPFVQNNCYHGYVEGDPELVSLSLSTCFGGFQILQINDFAYEIKPLA  
FSTTFEHLVYKMDSEEKQFSTMRSQFMQNEITCRMEFEEIDNSTQKQSSYVGGWIIHFRIIVEIVVVIDNYL  
YIRYERNDKLLLEDLYIVNIIVDSILDVIGVKVLLFGLIWTNKNLIVDDVVRKSVHLYCKWKSENITPR  
MQHDTSHLFTTLGLRGLSGIGAFRGMCTPHRSCAIVTFMNKTLGTFIAVAHHLGHNLMNHDEDCRCS  
QPRCIMHEGNPPIITKFSNCSYGFWEYTVERTKCLETVHTKIDIFNVKRCNGVVEEGEECDGPKLHCA  
KDPCCLSNCTLDGSTCAFGLCKDCKFLPSGKVCRAKEVNECDLPEWCNGTSHKCPDDFYVEDGIPCKER  
GYCYEKSCHDRNEQCRRIFGAGANTASECYKELNLTGDRVGHGCIKNATYIKCNI SDVQCGRIQCENVT  
EIPNMSDHTTVHWARFNDIMCWSTDYHLGMKGPDIGEVKDGTECGIDHICIHRCVHITILNSNCSPAFC  
NKRKICNNKHHCHCNLWDPNCLIKGYGGSVDSGPPPKRKKKKKFCYLCILLIIVLFILLCCLYRLCKK  
SKPIKKQQDVQTPSAKEEIKIQRPHLPPQSQPWVMPQSQPPVTPSQSHPQVMPQSQPPVTPSQSQP  
RVMPQSQPPVMPQSHPQLTPSQSPPVTPSQRQPQLMPSQSQPPVTPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8006\\_c10.zip](https://cdn.origene.com/chromatograms/mk8006_c10.zip)

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001278125

**ORF Size:** 2460 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\\_001278125.1](#), [NP\\_001265054.1](#)

**RefSeq Size:** 3386 bp

**RefSeq ORF:** 2463 bp

**Locus ID:** 11086

**UniProt ID:** [Q9UKF5](#)

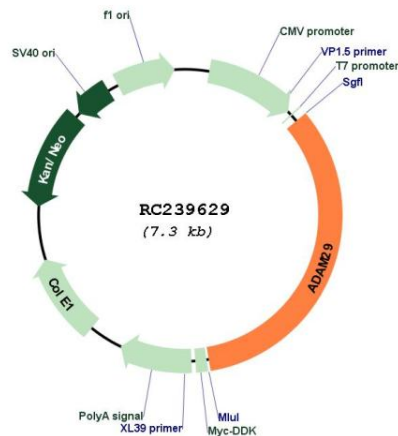
**Cytogenetics:** 4q34.1

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 92.8 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 protein encoded by this gene is highly expressed in testis and may be involved in human spermatogenesis. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RC239629