

## Product datasheet for **RG239629**

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

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                          |
| Product Name:             | ADAM29 (NM_001278125) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                     |
| Symbol:                   | ADAM29                                       |
| Synonyms:                 | CT73; svph1                                  |
| Mammalian Cell Selection: | Neomycin                                     |
| Vector:                   | pCMV6-AC-GFP (PS100010)                      |
| E. coli Selection:        | Ampicillin (100 ug/mL)                       |



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**ORF Nucleotide Sequence:**

>RG239629 representing NM\_001278125.  
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGAAGATGTTACTCCTGCTGCATTGCCTTGGGGTGTTCCTGTCCTGTTCTGGACACATCCAGGATGAG
CACCCCAATATCACAGCCCTCCGGATGTGGTGATTCTGTGAGGATAACTGGCACCACCAGAGGCATG
ACACCTCCAGGCTGGCTCCTATATCCTGCCCTTTGGAGGCCAGAAACACATTATCCACATAAAGGTC
AAGAAGCTTTTGTTCCAAACCTCCCTGTGTTACCTACACAGACCAGGGTGTATCCTTGAGGAC
CAGCCATTTGCCAGAATAACTGCTACTATCATGGTTATGTGGAAGGGGACCCAGAATCCCTGGTTTCC
CTCAGTACCTGTTTTGGGGTTTTCAAGGAATATTACAGATAAATGACTTTGCTTATGAAATCAAGCCC
CTAGCATTTTCTACCACGTTTGAACATCTGGTATAACAAGATGGACAGTGAGGAGAAAACAATTTCAACC
ATGAGATCCGGATTTATGCAAAATGAAATAACATGCCAATGGAATTTGAAGAAATTGATAATCCACT
CAGAAGCAAAGTTCTTATGTGGGCTGGTGGATCCATTTTAGGATTGTTGAAATTGTAGTCGTCATTGAT
AATTATCTGTACATTCGTTATGAAAGGAACGACTCAAAGTTGCTGGAGGATCTATATGTTATTGTTAAT
ATAGTGGATTCCATTTTGGATGTCAATGGTGTAAAGGTGTTATTATTTGGTTTGGAGATCTGGACCAAT
AAAAACCTCATTGTAGTAGATGATGAAGGAAATCTGTGCACCTGTATTGCAAGTGAAGTCGGAGAAC
ATTACGCCCGGATGCAACATGACACCTCACATCTTTTCACAACTCTAGGATTAAGAGGGTTAAGTGGC
ATAGGAGCTTTTAGAGGAATGTGTACACCACACCGTAGTTGTGCAATTGTTACTTTCATGAACAAAAC
TTGGGCACTTTTTCAATTGCAGTGGCTCATCATCTAGGTCATAATTTGGGCATGAACCATGATGAGGAT
ACATGTCGTTGTTCAACCTAGATGCATAATGCATGAAGGCAACCCACCAATAACTAAATTTAGCAAT
TGTAAGTTATGGTATTTTGGGAATATACTGTAGAGAGGACAAAGTGTGTTGTTGAAGAAGGAGAAGAGTGTGACTGTGGA
CCTTTAAAGCATTGTGCAAAAGATCCCTGCTGTCTGCAAAATTGCACTCTGACTGATGGTTCTACTTGT
GCTTTTGGGCTTTGTTGCAAAGACTGCAAGTTCCTACCATCAGGGAAAAGTGTGTAGAAAGGAGGTCAAT
GAATGTGATCTTCCAGAGTGGTGAATGGTACTTCCCATAAGTGCCAGATGACTTTTATGTGGAAGAT
GGAATTCCTGTAAGGAGAGGGGCTACTGCTATGAAAAGAGCTGTGATGACCGCAATGAACAGTGTAGG
AGGATTTTGGTGCAGGCGCAAATACTGCAAGTGAGACTTGCTACAAAGAATTGAACACCTTAGGTGAC
CGTGTGGTCACTGTGGTATCAAAAATGCTACATATAAAGTGAATATCTCAGATGTCCAGTGTGGA
AGAATTCAGTGTGAGAATGTGACAGAAATCCCAATATGAGTGATCATACTACTGTGCATTGGGCTCGC
TTCAATGACATAATGTGCTGGAGTACTGATTACCATTTGGGGATGAAGGGACCTGATTTGGTGAAGTG
AAAGATGGAACAGAGTGTGGGATAGATCATATATGCATCCACAGGCACTGTGTCATATAACCATCTTG
AATAGTAATTGCTCACCTGCATTTTGAACAAGAGGGGCATCTGCAACAATAAACATCACTGCCATTGC
AATTATCTGTGGGACCCTCCCAACTGCCTGATAAAAGGCTATGGAGGTAGTGTGACAGTGGCCACCC
CCTAAGAGAAAGAAGAAAAAGAAGTTCTGTTATCTGTGTATATTGTTGCTTATTGTTTTGTTATTTTA
TTATGTTGCTTTTATCGACTTTGTAAGAAAGTAAACCAATAAAAAAGCAGCAAGATGTTCAAACCTCA
TCTGCAAAAGAAGAGGAAAAAATTCAGCGTCGACCTCATGAGTTACCTCCCAGAGTCAACCTTGGGTG
ATGCCTTCCCAGAGTCAACCTCCTGTGACGCCTTCCCAGAGTCATCCTCAGGTGATGCCTTCCCAGAGT
CAACCTCCTGTGACACCCTCCCAGAGTCAACCTCGGGTGTGCCTTCTCAGAGTCAACCTCCTGTGATG
CCTTCCCAGAGTCATCCTCAGTTGACGCCTTCCCAGAGTCAACCTCCTGTGACACCCTCCCAGAGGCAA
CCTCAGTTGATGCCTTCCCAGAGTCAACCTCCTGTGACGCCTCC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
  
```

**Protein Sequence:** >Peptide sequence encoded by RG239629  
Blue=ORF Red=Cloning site Green=Tag(s)

MKMLLLLHCLGVFLSCSGHIQDEHPQYHSPPDVVIPVRITGTTRGMTPPGWL SYILPFGGQKHIIHIKV  
KKLLFSKHLPVFTYTDQGAILEDQPFVQNNCYHGYVEGDPEL VSLSTCFGGFQILQINDFAYEIKP  
LAFSTT FEHLVYKMDSEEKQFSTMRSGFMQNEITCRMEFEEIDNSTQKQSSYVGVWIIHFRIVEIVVID  
NYLYIRYERND SKLLEDLYVIVNIVDSILDVIGVKVLLFGLIWTNKNLIVVDDVRKSVHLYCKWKSEN  
ITPRMQHDTSHLFTTLGLRGLSGIGAFRGMCTPHRSCAIVTFMNKTLGTFIAVAHHLGHNLMNHDED  
TCRCSQPRCIMHEGNPPI TKFSNCSYGFWEYTVERTKCLETVHTKDI FNVKRCNGNVVEEGEECDG  
PLKHCAKDPCCLSNCTLTDGSTCAFGLCCKDCKFLPSGKVC RKEVNECDLPEWCNGTSHKCPDDFYVED  
GIPCKERGYCYEKSCHDRNEQCRRIFGAGANTASET CYKELNTLGDRVGHCGIKNATYIKCNI SDVQCG  
RIQCENVTEIPNMSDHTTVHWARFNDIMCWSTDYHLGMKGPDIGEVKDGTECGIDHIC IHRHCVHITIL  
NSNCSPAFCNKRGI CNKHHHCNYLWDPPNCLIKGYGGSVDSGPPPKRKKKKKFCYLC ILLLIVLFIL  
LCCLYRLCKKSKPIKKQDQVQTPSAKEEIKIQRPHELPPQSQPWMPQSQSQPPVTPSQSHPQVMPQS  
QPPVTPSQSQPRVMPQSQSPPVMPQSHPQLTPSQSQPPVTPSQRQPLMPSQSQPPVTPS  
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
MGYGFYHFGTYP SGYENPFLHAINNGGYTNRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE  
SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**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.

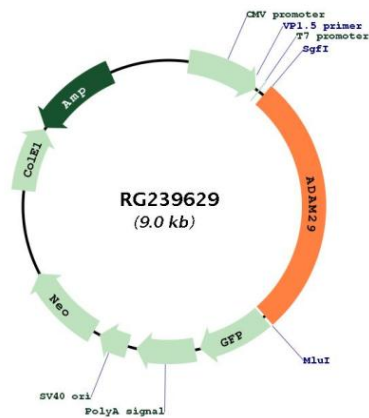
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**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 RG239629