

## Product datasheet for **SC304075**

### **ADAM29 (NM\_014269) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ADAM29 (NM_014269) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAM29
Synonyms:	CT73; svph1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC304075 representing NM\_014269.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGAAGATGTTACTCCTGCTGCATTGCCTTGGGGTGTTCCTGTCTGCTGTTCTGGACACATCCAGGATGAG
CACCCCAATATCACAGCCCTCCGGATGTGGTGATTCTGTGAGGATAACTGGCACCACCAGAGGCATG
ACACCTCCAGGCTGGCTCTCTATATCCTGCCCTTTGGAGGCCAGAAACACATTATCCACATAAAGGTC
AAGAAGCTTTTGTTCCTCAAAACCTCCTGTGTTCACCTACACAGACCAGGGTGTATCCTTGAGGAC
CAGCCATTTGTCCAGAATAACTGCTACTATCATGGTTATGTGGAAGGGGACCCAGAATCCCTGGTTTCC
CTCAGTACCTGTTTGGGGGTTTCAAGGAATATTACAGATAAATGACTTTGCTTATGAAATCAAGCCC
CTAGCATTTTCTACCACGTTTGAACATCTGGTATACAAGATGGACAGTGAGGAGAAACAATTTCAACC
ATGAGATCCGGATTTATGCAAAATGAAATAACATGCCAATGGAATTTGAAGAAATTGATAATCCACT
CAGAAGCAAAGTTCTTATGTGGGCTGGTGGATCCATTTAGGATTGTTGAAATTGTAGTCGTCATTGAT
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AAAAACCTCATTTAGTAGATGATGTAAGGAAATCTGTGCACCTGTATTGCAAGTGGAAGTCGGAGAAC
ATTACGCCCGGATGCAACATGACACCTCACATCTTTTCACAACTCTAGGATTAAGAGGGTTAAGTGGC
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TGATGTTATGGTGATTTTGGGAATATACTGTAGAGAGGACAAAGTGTTCCTGTTGAAACAGTACACACA
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CCTTTAAAGCATTGTGCAAAAGATCCCTGCTGTCTGTCAAATTGCACTCTGACTGATGGTTCTACTTGT
GCTTTTGGGCTTTGTTGCAAGACTGCAAGTTCCTACCATCAGGGAAGTGTGTAGAAAGGAGGTCAAT
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GGAATTCCTGTAAGGAGAGGGGCTACTGCTATGAAAAGAGCTGTGATGACCGCAATGAACAGTGTAGG
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CGTGTGGTCACTGTGGTATCAAAATGCTACATATATAAAGTGAATATCTCAGATGTCCAGTGTGGA
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TTCAATGACATAATGTGCTGGAGTACTGATTACCATTTGGGGATGAAGGGACCTGATATTGGTGAAGTG
AAAGATGGAACAGAGTGTGGGATAGATCATATATGCATCCACAGGCACTGTGTCCATATAACCATCTTG
AATAGTAATTGCTCACCTGCATTTTGTAAACAAGAGGGGCATCTGCAACAATAAACATCACTGCCATTGC
AATTATCTGTGGGACCTCCCAACTGCCTGATAAAAGGCTATGGAGGTAGTGTGACAGTGGCCACCC
CCTAAGAGAAAGAAGAAAAAGAAGTTCTGTTATCTGTGTATATTGTTGCTTATTGTTTGTATTTTA
TTATGTTGCTTTATCGACTTTGTAAAAAAGTAAACCAATAAAAAAGCAGCAAGATGTTCAAACTCCA
TCTGCAAAAGAAGAGGAAAAAATTCAGCGTCGACCTCATGAGTTACCTCCCAGAGTCAACCTTGGGTG
ATGCCTTCCCAGAGTCAACCTCCTGTGACGCCTTCCCAGAGTCATCCTCAGGTGATGCCTTCCCAGAGT
CAACCTCCTGTGACACCCTCCCAGAGTCAACCTCGGGTGTGCTTCTCAGAGTCAACCTCCTGTGATG
CCTTCCCAGAGTCATCCTCAGTTGACGCCTTCCCAGAGTCAACCTCCTGTGACACCCTCCCAGAGGCAA
CCTCAGTTGATGCCTTCCCAGAGTCAACCTCCTGTGACGCCTCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_014269  
**Insert Size:** 2463 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_014269.4</a>
<b>RefSeq Size:</b>	3325 bp
<b>RefSeq ORF:</b>	2463 bp
<b>Locus ID:</b>	11086
<b>UniProt ID:</b>	<a href="#">Q9UKF5</a>
<b>Cytogenetics:</b>	4q34.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	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]

Transcript Variant: This variant (1) encodes the functional protein. Variants 1, 2, 3, 4, 5, 6, and 7 encode the same protein.