

Product datasheet for **RC226193**

ADAM29 (NM_001130704) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM29 (NM_001130704) 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:

>RC226193 representing NM_001130704
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAAGATGTTACTCCTGCTGCATTGCCTTGGGGTGTTCCTGTCCTGTTCTGGACACATCCAGGATGAGC
ACCCCCAATATCACAGCCCTCCGGATGTGGTGATTCTCTGTGAGGATAACTGGCACCACCAGAGGCATGAC
ACCTCCAGGCTGGCTCTCCTATATCCTGCCCTTTGGAGGCCAGAAACACATTATCCACATAAAGGTCAAG
AAGCTTTTGTTCCTCAAACACCTCCCTGTGTTACCTACACAGACCAGGGTGCTATCCTTGAGGACCAGC
CATTTGTCCAGAATAACTGCTACTATCATGGTTATGTGGAAGGGGACCCAGAATCCCTGGTTTCCCTCAG
TACCTGTTTTGGGGTTTTCAAGGAATATTACAGATAAATGACTTTGCTTATGAAATCAAGCCCCTAGCA
TTTTCTACCACGTTTGAACATCTGGTATACAAGATGGACAGTGAGGAGAAACAATTTTCAACCATGAGAT
CCGGATTTATGCAAAATGAAATAACATGCCGAATGGAATTTGAAGAAATGATAATCCACTCAGAAGCA
AAGTTCCTATGTGGGCTGGTGGATCCATTTTAGGATTGTTGAAATGTAGTCGTCATTGATAATTATCTG
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TGTAAGTATGATGTAAGGAAATCTGTGCACCTGTATTGCAAGTGGAAAGTCGGAGAACATTACGCCCCGG
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AATTGCAGTGGCTCATCTAGTGCATAATTTGGGCATGAACCATGATGAGGATACATGCTGTTGTTCA
CAACCTAGATGCATAATGCATGAAGGCAACCCACCAATAACTAAATTTAGCAATTGTAGTTATGGTGATT
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AAATGCTACATATATAAAGTGAATATCTCAGATGTCCAGTGTGGAAGAATTCAGTGTGAGAATGTGACA
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TCATATATGCATCCACAGGCACTGTGTCATATAACCATCTTGAATAGTAATTGCTCACCTGCATTTTGT
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CGGGTGATGCCTTCTCAGAGTCAACCTCCTGTGATGCCTTCCCAGAGTCACTCCTCAGTTGACGCCTTCCC
AGAGTCAACCTCCTGTGACACCTCCCAGAGGCAACCTCAGTTGATGCCTTCCCAGAGTCAACCTCCTGT
GACGCCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226193 representing NM_001130704
Red=Cloning site Green=Tags(s)

MKMLLLHCLGVFLSCSGHIQDEHPQYHSPPDVVIPVRITGTTTRGMTPPGWL SYILPFGGQKHIIHIKVK
KLLFSKHLPVFTYTDQGAILEDQPFVQNNCYHGYVEGDPELVSLSLSTCFGGFQGILQINDFAYEIKPLA
FSTTFEHLVYKMDSEEKQFSTMRSQFMQNEITCRMEFEEIDNSTQKQSSYVGGWIIHFRIVEIVVVIDNYL
YIRYERNDKLLLEDLYIVNIIVDSILDVIGVKVLLFGLIWTNKNLIVDDVRSVHLYCKWKSENITPR
MQHDTSHLFTTLGLRGLSGIGAFRGMCTPHRSCAIVTFMNKTLGTFIAVAHHLGHNLMNHDEDCRCS
QPRCIMHEGNPPIITKFSNCSYGFWEYTVERTKCLETVHTKDI FNVKRCNGVVEEGEECDGPKLHCA
KDPCCLSNCTLDGSTCAFGLCKDCKFLPSGKVCRAKEVNECDLPEWCNGTSHKCPDDFYVEDGIPCKER
GYCYEKSCHDRNEQCRRIFGAGANTASETCYKELNTLGDRVGHCGIKNATYIKCNI SDVQCGRIQCENVT
EIPNMSDHTTVHWARFNDIMCWSTDYHLGMKGPDIGEVKDGTECGIDHICHRHCVHITILNSNCSPAFC
NKRKICNNKHHCHCNLWDPNCLIKGYGGSVDSGPPPKRKKKKKFCYLCILLIIVLFILLCCLYRLCKK
SKPIKKQQDVQTPSAKEEKKIQRRPHELPPQSQPWVMPQSQPPVTPSQSHPQVMPQSQPPVTPSQSQP
RVMPQSQPPVMPQSHPQLTPSQSPPVTPSQRQPQLMPSQSQPPVTPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8006_c10.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001130704

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_001130704.1](#), [NP_001124176.1](#)

RefSeq ORF: 2463 bp

Locus ID: 11086

UniProt ID: [Q9UKF5](#)

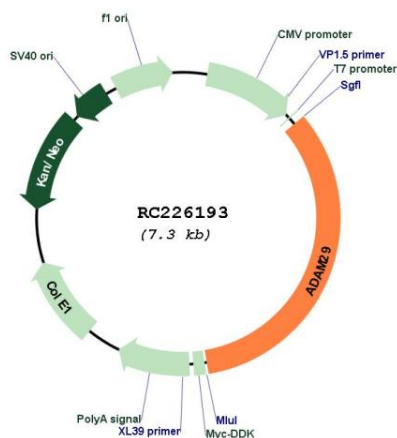
Cytogenetics: 4q34.1

Protein Families: Druggable Genome, Transmembrane

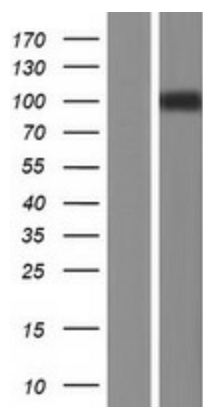
MW: 92.6 kDa

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 RC226193



Western blot validation of overexpression lysate (Cat# [LY427254]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC226194] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).