

Product datasheet for **RG226194**

ADAM29 (NM_001130705) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | ADAM29 (NM_001130705) 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) |



[View online »](#)

ORF Nucleotide
Sequence:

>RG226194 representing NM_001130705
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGATGTTACTCCTGCTGCATTGCCTTGGGGTGTTCCTGTCCTGTTCTGGACACATCCAGGATGAGC
ACCCCAATATCACAGCCCTCCGGATGTGGTGATTCTGTGAGGATAACTGGCACCACCAGAGGCATGAC
ACCTCCAGGCTGGCTCTCCTATATCCTGCCCTTTGGAGGCCAGAAACACATTATCCACATAAAGGTCAAG
AAGCTTTTGTTCCTCAAACACCTCCCTGTGTTACCTACACAGACCAGGGTGCTATCCTTGAGGACCAGC
CATTTGTCCAGAATAACTGCTACTATCATGGTTATGTGGAAGGGGACCCAGAATCCCTGGTTTCCCTCAG
TACCTGTTTTGGGGTTTTCAAGGAATATTACAGATAAATGACTTTGCTTATGAAATCAAGCCCCTAGCA
TTTTCTACCACGTTTGAACATCTGGTATACAAGATGGACAGTGAGGAGAAACAATTTTCAACCATGAGAT
CCGGATTTATGCAAAATGAAATAACATGCCGAATGGAATTTGAAGAAATGATAATCCACTCAGAAGCA
AAGTTCTTATGTGGGCTGGTGGATCCATTTTAGGATTGTTGAAATGTAGTCGTCATTGATAATTATCTG
TACATTCGTTATGAAAGGAACGACTCAAAGTTGCTGGAGGATCTATATGTTATTGTTAATATAGTGGATT
CCATTTTGGATGTCATTGGTGTTAAGGTGTTATTTTGGTTTGGAGATCTGGACCAATAAAAAACCTCAT
TGTAAGTATGATGTAAGGAAATCTGTGCACCTGTATTGCAAGTGGAAAGTCGGAGAACATTACGCCCCGG
ATGCAACATGACACCTCACATCTTTTCACAACTCTAGGATTAAGAGGGTTAAGTGGCATAGGAGCTTTTA
GAGGAATGTGTACACCACACCGTAGTTGTGCAATTGTTACTTTTCAACAAAACCTTTGGGCACCTTTTTC
AATTGCAGTGGCTCATCTAGGTCATAATTTGGGCATGAACCATGATGAGGATACATGCTGTTGTTCA
CAACCTAGATGCATAATGCATGAAGGCAACCCACCAATAACTAAATTTAGCAATTGTAGTTATGGTGATT
TTTGGGAATATACTGTAGAGAGGACAAAAGTGTTCCTTGAACAGTACACACAAAAGGACATCTTTAATGT
GAAGCGCTGTGGGAATGGTGTGTTGAAGAAGGAGAAGAGTGTGACTGTGGACCTTTAAAGCATTGTGCA
AAAGATCCCTGCTGTCTGTCAAATGCACTCTGACTGATGGTTCTACTTGTGCTTTTGGGCTTTGTTGCA
AAGACTGCAAGTTCCTACCATCAGGAAAAGTGTGTAGAAAAGGAGGTCAATGAATGTGATCTTCCAGAGTG
GTGCAATGGTACTTCCCATAAGTGCCAGATGACTTTTATGTGGAAGATGGAATTCCTGTAAGGAGAGG
GGCTACTGCTATGAAAAGAGCTGTGATGACCGCAATGAACAGTGTAGGAGGATTTTGGTGCAGGCGCAA
ATACTGCAAGTGAGACTTGCTACAAAGAATTGAACACCTTAGGTGACCGTGTGGTCACTGTGGTATCAA
AAATGCTACATATATAAAGTGAATATCTCAGATGTCCAGTGTGGAAGAATTCAGTGTGAGAATGTGACA
GAAATTCCTAATATGAGTGATCATACTACTGTGCAATGGGCTCGCTTCAATGACATAATGTGCTGGAGTA
CTGATTACCATTTGGGGATGAAGGGACCTGATATTGGTGAAGTGAAGATGGAACAGAGTGTGGGATAGA
TCATATATGCATCCACAGGCACTGTGTCATATAACCATCTTGAATAGTAATTGCTCACCTGCATTTTGT
AACAAAGAGGGGCATCTGCAACAATAAACATCACTGCCATTGCAATTATCTGTGGGACCTCCCAACTGCC
TGATAAAAGGCTATGGAGGTAGTGTGACAGTGGCCACCCCTAAGAGAAAAGAAAAGAAAGTCTG
TTATCTGTGATATTGTTGCTTATTGTTTTGTTATTTTATTATGTTGCTTTATCGACTTTGTAATAAAA
AGTAAACCAATAAAAAAGCAGCAAGATGTTCAAACCTCCATCTGCAAAAAGAGGAAAAAATTCAGCGTC
GACCTCATGAGTTACCTCCCAAGAGTCAACCTTGGGTGATGCCTTCCCAGAGTCAACCTCCTGTGACGCC
TTCCCAGAGTCATCCTCAGGTGATGCCTTCCCAGAGTCAACCTCCTGTGACACCTCCCAGAGTCAACCT
CGGGTGTGCCTTCTCAGAGTCAACCTCCTGTGATGCCTTCCCAGAGTCACTCCTCAGTTGACGCCTTCCC
AGAGTCAACCTCCTGTGACACCTCCCAGAGGCAACCTCAGTTGATGCCTTCCCAGAGTCAACCTCCTGT
GACGCCCTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

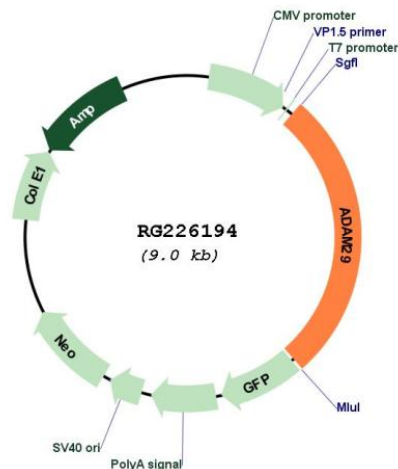
Protein Sequence: >RG226194 representing NM_001130705
Red=Cloning site Green=Tags(s)

MKMLLLHCLGVFLSCSGHIQDEHPQYHSPPDVVIPVRITGTTTRGMTPPGWL SYILPFGGQKHIIHIKVK
KLLFSKHLPVFTYTDQGAILEDQPFVQNNCYHGYVEGDPELVSLSLSTCFGGFQILQINDFAYEIKPLA
FSTTFEHLVYKMDSEEKQFSTMRSQFMQNEITCRMEFEEIDNSTQKQSSYVGGWIIHFRIIVEIVVVIDNYL
YIRYERNDKLLLEDLYIVNIIVDSILDVIGVKVLLFGLIWTNKNLIVDDVVRKSVHLYCKWKSENITPR
MQHDTSHLFTTLGLRGLSGIGAFRGMCTPHRSCAIVTFMNKTLGTFSIAVAHHLGHNLMNHDEDCRCS
QPRCIMHEGNPPITKFSNCSYGFWEYTVERTKCLETVHTKDI FNVKRCNGVVEEGEECDGPKLHCA
KDPCCLSNCTLDGSTCAFGLCKDCKFLPSGKVCRAKEVNECDLPEWCNGTSHKCPDDFYVEDGIPCKER
GYCYEKSCHDRNEQCRRIFGAGANTASETCYKELNTLGDRVGHGCIKNATYIKCNI SDVQCGRIQCENVT
EIPNMSDHTTVHWARFNDIMCWSTDYHLGMKGPDIGEVKDGTECGIDHICHRHCVHITILNSNCSPAFC
NKRKICNNKHHCHCNLWDPNCLIKGYGGSVDSGPPPKRKKKKKFCYLCILLIIVLFILLCCLYRLCKK
SKPIKQKQDVQTPSAKEEIKIQRPHLPPQSQPWVMPQSQPPVTPSQSHPQVMPQSQPPVTPSQSQP
RVMPQSQPPVMPQSHPQLTPSQSPPVTPSQRQPQLMPSQSQPPVTPS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001130705

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_001130705.1](#), [NP_001124177.1](#)

RefSeq Size: 3138 bp

RefSeq ORF: 2463 bp

Locus ID: 11086

UniProt ID: [Q9UKF5](#)

Cytogenetics: 4q34.1

Protein Families: Druggable Genome, Transmembrane

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]