

Product datasheet for **RG214250**

ADAM29 (NM_014269) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM29 (NM_014269) 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:

>RG214250 representing NM_014269
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGATGTTACTCCTGCTGCATTGCCTTGGGGTGTTCCTGTCCTGTTCTGGACACATCCAGGATGAGC
 ACCCCCAATATCACAGCCCTCCGGATGTGGTGATTCTCTGTGAGGATAACTGGCACCACCAGAGGCATGAC
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 AAGCTTTTGTTCCTCAAACACCTCCCTGTGTTACCTACACAGACCAGGGTGCTATCCTTGAGGACCAGC
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 TACCTGTTTTGGGGTTTTCAAGGAATATTACAGATAAATGACTTTGCTTATGAAATCAAGCCCCTAGCA
 TTTTCTACCACGTTTGAACATCTGGTATACAAGATGGACAGTGAGGAGAAACAATTTTCAACCATGAGAT
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 CGGGTGATGCCTTCTCAGAGTCAACCTCCTGTGATGCCTTCCAGAGTCATCCTCAGTTGACGCCTTCCC
 AGAGTCAACCTCCTGTGACACCTCCCAGAGGCAACCTCAGTTGATGCCTTCCAGAGTCAACCTCCTGT
 GACGCCCTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG214250 representing NM_014269
 Red=Cloning site Green=Tags(s)

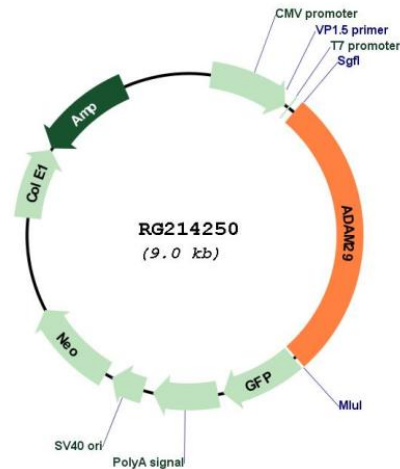
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YIRYERNDKLLLEDLYIVNIIVDSILDVIGVKVLLFGLIWTNKNLIVDDVRSVHLYCKWKSENITPR
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

Plasmid Map:



ACCN: NM_014269

ORF Size: 2460 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_014269.4](#), [NP_055084.3](#)

RefSeq Size: 3282 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]