

Product datasheet for **SC314539**

ADAM21 (NM_003813) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM21 (NM_003813) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAM21
Synonyms:	ADAM 21; ADAM31
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_003813, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGTGGATGGGACCCTCGTGTACATCAGGGTCACTCTTCTGCTGCTCTGGCTTGGG
GTATTTTTGTCTATTTCCGGCTACTGTCAGGCTGGGCCCTCCCAGCATTTCACTTCCCCG
GAAGTGGTGATCCCCTTGAAGGTGATCAGCAGGGGCAGAAGTGCAAAGGCTCCTGGATGG
CTCTCCTATAGTCTGCGGTTTGGGGCCAGAAACACGTTGTTTCATATGAGGGTCAAGAAG
CTCTTAGTTTTCTAGACACCTCCAGTGTTCACCTACACAGATGAGCGTGCACCTCCTGGAG
GATCAGCTCTTCATCCCAGATGACTGTTACTATCATGGTTACGTGGAGGGTGCCCTGAG
TCTCTGGTTGTGTTCAGTGCTTGTTTTTGGGGCTTTTCGAGGAGATTAAAAATAAGTGGC
CTCACTTATGAAATTGAACCCATCAGGCACTCTGCCACATTTGAACACCTGGTTTACAAA
GTAAACAGTAATGAGACACAATCCCAGCTATGAGATGTGGCTAACAGAGAAGGAAGTA
GCACGCCAACAGTTGGAATTTGAAGAGGCTGAGAACTCAGCTCTGGAACCAAAATCTGCT
GGTGACTGGTGGACTCATGCATGGTTTCTGGAGCTAGTTGTTGGTGAACCATGATTTT
TTCATTTACTCTCAAAGCAACATCTCAAAGGTGCAAGAGGATGATTTCTTGTGTCAAC
ATAGTGGATTCCATGTATCAGCAGTTAGTACTTACATAATTTTGATTGGAATTGAAATT
TGGAAATCAAGGAAATGTTTTCCCAATGACAAGCATAGAACAGGTCTGAACGATTTCTCT
CAATGAAACAAAATCAGTCTTTCCAGCTACAGCATGATGCTGCACATATGTTTCATAAAA
AATTCACTTATAAGTATACTTGGCTTAGCCTATGTTGCAGGAATATGTCGTCCACCTATT
GATTGTGGAGTTGATAATTTTCAAGGAGATACCTGGTCTCTTTTTGCCAACACTGTGGCC
CATGAGTTAGGTCATACGTTGGGTATGCAGCATGATGAAGAAATCTGTTTTTGTGGGGAA
AGAGGTTGCATCATGAATACTTTTAGAGTGCCAGCAGAGAAATCACCAATTGCAGTTAC
GCTGATTTTATGAAGACCACCTTAAACCAGGGATCATGTCTGCATAATCTCCAAGATTG
GGGGAATCTTTATGCTAAAGCGCTGTGGGAATGGTGTGGTTGAAAGAGAAGAGCAGTGT
GACTGTGGATCCGTACAGCAGTGTGAACAAGACGCTGTTGTCTGTTGAACTGCACTCTA
AGGCCTGGGGCTGCCTGTGCTTTTGGGCTTTGTTGCAAAGACTGCAAGTTCATGCCATCA
GGGGAATCTGTAGACAAGAGGTCAATGAATGTGACCTTCCAGAATGGTGAATGGAACA
TCTCATCAGTGTCCAGAAGATAGATATGTGCAGGACGGGATCCCCTGTAGTGACAGTGCC
TACTGCTATCAAAGAGGTGTAATAACCATGACCAGCATTGCAGGGAGATTTTTGGTAA
GATGCAAAAAGTGATCTCAGAATTGCTATAAAGAAATCAACTCTCAGGGAAACCGTTTT
GGTCACTGTGGTATAAATGGCACAACATACCTAAAATGCATATCTCTGATGTCTTTTGT
GGGAGAGTTCAATGTGAGAAATGTGAGAGACATTCCTCTTCTCCAAGATCATTTTACTTTG
CAGCACACTCATATCAATGGTGTACCTGCTGGGGTATTGACTATCATTTAAGGATGAAC
ATATCTGACATTGGTGAAGTGAAGATGGTACTGTGTGTGGCCAGGAAAGATCTGCATC
CATAAGAAGTGTGTCAGTCTGTCTGTCTTGTGCACATGTCTGCCTTCTGAGACCTGCAAT
ATGAAGGGGATCTGCAATAACAAACATCACTGCCACTGTGGCTATGGGTGGTCCCCACCC
TACTGCCAGCACAGAGGCTATGGGGCAGTATTGACAGTGGCCAGCATCTGCAAAGAGA
GGAGTTTTTTTTGCCGCTGATTGTGATTCCTTCTTGTCTGTTTTGACTTTCCTGTTTACT
GTCGGGCTTCTTATGTATCTACGACAATGTTCTGGTCCCAAGAAACTAAGGCTCATTCA
TCAGGT

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Restriction Sites: Please inquire

ACCN: NM_003813

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 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.

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_003813.2](#), [NP_003804.1](#)

RefSeq Size: 2406 bp

RefSeq ORF: 2169 bp

Locus ID: 8747

UniProt ID: [Q9UKJ8](#)

Cytogenetics: 14q24.2

Protein Families: Protease, 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 expression of this gene expression is testis-specific. [provided by RefSeq, May 2011]