

Product datasheet for SC119169

AMD1 (NM_001634) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMD1 (NM_001634) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMD1
Synonyms:	ADOMETDC; AMD; SAMDC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119169 sequence for NM_001634 edited (data generated by NextGen Sequencing)

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ATGGAAGCTGCACATTTTTTCGAAGGGACCGAGAAGCTGCTGGAGTTTGGTTCTCCCGG
CAGCAGCCCGACGCAAACCAAGGATCTGGGGATCTTCGCACTATCCCAAGATCTGAGTGG
GACATACTTTTGAAGGATGTGCAATGTTCAATCATAAGTGTGACAAAACTGACAAGCAG
GAAGCTTATGTAAGTCAAGTGTGCAATGTTCAATCATAAGTGTGACAAAACTGACAAGCAG
ACATGTGGTACCACCTCTTGCTGAAAGCACTGGTTCCCTGTTGAAGCTTGCTAGGGAT
TACAGTGGGTTTACTCAATTCAAAGCTTCTTTATTCTCGTAAGAATTCATGAAGCCT
TCTACCAAGGGTACCCACACCGAATTTCCAGGAAGAAATAGAGTTTCTTAATGCAATT
TTCCCAAATGGAGCAGCATATTGTATGGGACGTATGAATTCTGACTGTTGGTACTTATAT
ACTCTGGATTTCCAGAGAGTCGGGTAATCAGTCAGCCAGATCAAACCTTGAAATTCCTG
ATGAGTGAAGTGGACCCAGCAGTTATGGACCAGTTCTACATGAAAGATGGTGTACTGCA
AAGGATGTCACTCGTGAGAGTGGAAATTCGTGACCTGATACCAGGTTCTGTCAATTGATGCC
ACAATGTTCAATCCTTGTGGGATTCGATGAATGGAATGAAATCGGATGGAACTTATTGG
ACTATTCACATCACTCCAGAACCAGAAATTTCTTATGTTAGCTTTGAAACAACTTAAGT
CAGACCTCCTATGATGACCTGATCAGGAAAGTTGTAGAAGTCTTCAAGCCAGGAAATTT
GTGACCACCTTGTGTTAATCAGAGTTCTAAATGTGCGCACAGTGCTTGCTTCGCCCCAG
AAGATTGAAGTTTTAAGCGTCTTGATTGCCAGAGTGCTATGTTCAATGATTACAATTTT
GTTTTTACCAGTTTTGCTAAGAAGCAGCAACAACAGCAGAGTTGA

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Clone variation with respect to NM_001634.4



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001634 unedited
 TGTTCGAATTTTGTNATACGACTCCTATAGGGCGGCCGCGATTTCGGCACGAGGCGACATT
 AGCTAGCGCTCGCTCTACTCTCTCTAACGGGAAAGCAGCGGAATACAAGAGACTGAACTG
 TATCTGCCTCTATTTCCAAAAGACTCACGTTCAACTTTTCGCTCACACAAAGCCGGGAAAA
 TTTTATTAGTCCTTTTTTAAAAAAGTTAATATAAAATTATAGCAAAAAAAAAAAGGAA
 CCTGAACCTTTAGTAACACAGCTGGAACAATCCGCAGCGCGCGGCAGCGCGGGAGAAG
 AGGTTTAATTTAGTTGATTTTCTGTGGTTGTTGGTTGTTTCGCTAGTCTCACGGTGATGGA
 AGCTGCACATTTTTTCGAAGGGACCGAGAAGCTGCTGGAGGTTTGGTTCTCCCGCAGCA
 GCCCGACGCAAACCAAGGATCTGGGGATCTTCGCACTATCCCAAGATCTGAGTGGGACAT
 ACTTTTGAAGGATGTGCAATGTTCAATCATAAGTGTGACAAAACTGACAAGCAGGAAGC
 TTATGTAAGTCAAGTGTGAGAGTAGCATGTTTGTCTCCAAGAGACGTTTCATTTTGAAGACATG
 TGGTACCACCCTCTTGTGAAAGCACTGGTTCCCTGTTGAAGCTTGCTAGGGATTACAG
 TGGGTTTGACTCAATCAAAGCTTCTTTATTCTCGTAAGAAATTCATGAAGCCTTCTCA
 CCAAGGTTACCCACACCGGAATTTCCAGGAAGAAATAGAGTTTCTTAATGCAATTTTCCC
 AAATGGAGCAGCATATTGTATGGGACGTATGAATTCTGACTGTTGGTACTTATATACTCT
 GGATTTCCCGCAGAGAGTCGGTAATCAGTCAGCCAGATCAACCTTGGAAATCTGATGAGTG
 AGCTTGACCCAGCAGNTATGGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001634 unedited
 CGCGGCCGCATTCTAGNATCGAGTTTTTTTTTTTTTTTTTTTGAATGCTACTAGACAATTA
 AACTTTTATTGAAGCGTAAATTGTGGTACAGAAATACATTTCACTGATTTAAGTCCAAC
 ACCAGTAAAAGGAGAAAATTATGGCACAAAACCTTCCCTCTTCTATCATACGATGATTTA
 GATTATGATTCAACTACATTTCTTTTCTAGGCTTTGTCCATAAAAAATTTGTGCAGT
 TTTTCAACATTAGAATCTTAATTCTATTGGAAACAAAACAAAACAAAACAAAACAAAAC
 CAAAACAAAACAGACCTCAAGTCAACAAATCTATTGGGATATTGTTTACGAACAAAGTC
 CACCTTAAGCATTGGTCCTAAAACAGAGCTCCTCAAAATATTAGGTGCTGTGCTCATT
 CAGAATCAAAGTATCACACTGATTGAAAACCTTCTCAATGAAATTTTCAATCAACAACA
 TGCTTCAAATAAAAGTCAAACAGTGTCCCAACCACTTGATTTCAAACCAAGTAGATTTTA
 GGTTTGAAGAACTAAAAAAGGTGTTTCATTTATAAATACGGAAGGAACAAAAACATCA
 CTGCATCAATCCAGAATTATCAAAATATTTAGAGGACAAGAAATATAAAATTTAGTCAAC
 TTTGCTGTTTTCTCAGTTCCTTAAAAATCCAGAGAATCTGCGAATATAGCTAAAAGGTAC
 CAACTCTTTGAAGCCCTATATACTAGCCATTTCCATTGAGGATTTTGGAAATTCATAA
 TTCCATCTATTATAATCCACCTAATTATTAAGGGATTCTGGCTTTATGAAGGTAACCTG
 AAAAAATCGACACAATCTCATTCTGGGCAAGCATTCTTTTCTTCTATGAAGCCCTGGTA
 AGGGAACACCGGATTA AAAAGGACAAAGAAGTCGGAACACTCCCTGCCTCN

Restriction Sites:

NotI-NotI

ACCN:

NM_001634

Insert Size:

3460 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<ol style="list-style-type: none">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_001634.4 , NP_001625.2
RefSeq Size:	3421 bp
RefSeq ORF:	1005 bp
Locus ID:	262
UniProt ID:	P17707
Cytogenetics:	6q21
Domains:	SAM_decarbox
Protein Families:	Druggable Genome
Protein Pathways:	Arginine and proline metabolism, Cysteine and methionine metabolism, Metabolic pathways
Gene Summary:	<p>This gene encodes an important intermediate enzyme in polyamine biosynthesis. The polyamines spermine, spermidine, and putrescine are low-molecular-weight aliphatic amines essential for cellular proliferation and tumor promotion. Multiple alternatively spliced transcript variants have been identified. Pseudogenes of this gene are found on chromosomes 5, 6, 10, X and Y. [provided by RefSeq, Dec 2013]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>