

## Product datasheet for **SC335227**

### AMD1 (NM\_001287214) Human Untagged Clone

#### Product data:

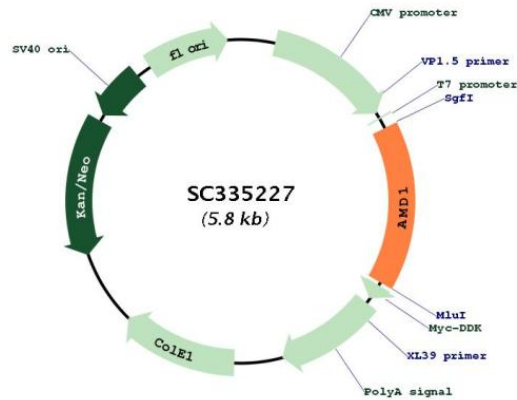
Product Type:	Expression Plasmids
Product Name:	AMD1 (NM_001287214) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMD1
Synonyms:	ADOMETDC; AMD; SAMDC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335227 representing NM_001287214. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGAAGCTGCACATTTTTTCGAAGGGACCGAGAAGCTGCTGGAGGTTTGGTTCTCCCGGCAGCAGCCC
GACGCAAACCAAGGATCTGGGGATCTTCGCACTATCCCAAGTGAGAGTAGCATGTTTGTCTCCAAGAGA
CGTTTCATTTTGAAGACATGTGGTACCACCCTCTTGCTGAAAGCACTGGTTCCCTGTGGAAGCTTGCT
AGGGATTACAGTGGGTTTGACTCAATTCAAAGCTTCTTTTATTCTCGTAAGAATTCATGAAGCCTTCT
CACCAAGGGTACCCACACCGGAATTTCCAGGAAGAAATAGAGTTTCTTAATGCAATTTCCCAAATGGA
GCAGCATATTGTATGGGACGTATGAATTCTGACTGTTGGTACTTATATACTCTGGATTTCCAGAGAGT
CGGTAATCAGTCAGCCAGATCAAACCTTGAAATTTCTGATGAGTGAGCTTGACCCAGCAGTTATGGAC
CAGTTCTACATGAAAGATGGTGTACTGCAAAGGATGTCACCTCGTGAGAGTGGAATTCGTGACCTGATA
CCAGGTTCTGTCAATTGATGCCACAATGTCAATCCTTGTGGGTATTTCGATGAATGGAATGAAATCGGAT
GGAAC TTATTGGACTATTCACATCACTCCAGAACCAGAAATTTCTTATGTTAGCTTTGAAACAACTTA
AGTCAGACCTCCTATGATGACCTGATCAGGAAAGTTGTAGAAGCTTCAAGCCAGGAAAATTTGTGACC
ACCTTGTTTGTAAATCAGAGTTCTAAATGTCGCACAGTGCTTGCTTCGCCCCAGAAGATTGAAGTTTT
AAGCGTCTTGATTGCCAGAGTGCTATGTTCAATGATTACAATTTGTTTTTACCAGTTTTGCTAAGAAG
CAGCAACAACAGCAGAGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001287214

**Insert Size:** 918 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:**

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\\_001287214.1](#)

**RefSeq Size:** 3350 bp

**RefSeq ORF:** 918 bp

**Locus ID:** 262

**Cytogenetics:** 6q21

**Protein Families:** Druggable Genome

<b>Protein Pathways:</b>	Arginine and proline metabolism, Cysteine and methionine metabolism, Metabolic pathways
<b>MW:</b>	35 kDa
<b>Gene Summary:</b>	<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 (3) lacks an in-frame exon in the coding region, compared to variant 1. The resulting isoform (3) lacks an internal segment, compared to isoform 1.</p>