

Product datasheet for **MC202776**

Amd1 (NM_009665) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amd1 (NM_009665) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Amd1
Synonyms:	AdoMetDC; adoMetDC1; Amd-1; SAMDC; SAMDC 1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC080791 sequence for NM_009665
 TGGAACAATCCGCAGCGCGGCAGGAGCGCGGGAGAAGAGATTTAATTTAGTTGATTTTCTGTGGTTGT
 TGGTTGTTTCGCTAGTCTCACGGTGATGGAAGCTGCACATTTTTTCGAAGGGACGGAGAACTGCTGGAGG
 TCTGGTTTTCCAGACAGCAGTCCGACGCAAGCCAGGGATCTGGGGATCTTCGTACCATCCCAAGATCTGA
 ATGGGATGTCCTTTGAAGGATGTCAGTGTCAATCATAAGTGTGACAAAGACTGACAAGCAGGAAGCT
 TATGTACTCAGTGAGAGTAGCATGTTTGTCTCCAAGAGACGTTTCATTTTGAAGACATGTGGTACCACCC
 TCTTACTGAAAGCACTGGTTCCCTGTTGAAGCTTGTAGGGATTACAGTGGGTTTGACTCAATTCAAAG
 CTTCTTTTATTCTCGTAAGAATTTTCATGAAGCCTTCTCACCAGGGTACCCACACCGGAATTTCCAGGAA
 GAAATCGAGTTTCTTAATGCAATTTTCCCAAATGGAGCAGCATATTGTATGGGACGCATGAATTCGACT
 GCTGGTACTTGTATACTTTGGATTTCCAGAGAGCCGAGTAATCAGTCAGCCAGATCAAACCCTGGAAAT
 TCTGATGAGTGAGCTTGACCCAGCAGTTATGGACCAGTCTACATGAAAGATGGTGTACTGCAAAGGAT
 GTCACCTCGTGAGAGTGAATTCGTGACCTGATACCAGTTCTGTCATTGATGCCACACTGTTCAATCCTT
 GTGGCTACTCGATGAATGGAATGAAATCGGATGGAACATATTGGACTATTCACATCACTCCAGAACCAGA
 ATTTTCTTATGTTAGCTTTGAAACAAACCTAAGTCAGACCTCCTATGACGACCTGATCAGGAAAGTTGTG
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 AAACGCAAAAAAGAAGACACACAGGAGGTGGTGGCTGCTTTCTAGATGCTGATCCTGAGGGCCATGCTG
 ACCATGACCACCCTCGTAGTTGCAGAAAGCCCTAGGTGTAATGATAGTGAATCATTTTGAAGTGTAT
 GCATTATTATCAAGGAGTTAGGTATCTTGCATGAATGCTCTCTCTGTGTTTAGGTGTTCTATGCCAC
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 CTTTCGTCCTTATAGATGCGGCCTCAGCTGACATCTGTGATTGTTCTATTAATGCTGCCAGAGTTTTT
 TACATCCAGTTACCTCCACTTTCTAGGGCATAATTCTCTACTAATGTTACTCAAAAACAATTTCTACTTCA
 TACAGGTGTTTTATGCAATGGCAATTAAGTTTTTCTTCCACAAGTTGAGTCTTTGTAAGAAAATGACTC
 CAGTTGCTGTTTTATGTTCTGTGTTTTAATAATTGCTCCTGCATTTAGAGTCTATAGTTTTTCCACC
 ACCTTTGATGAAGCAATACACTGTTACACTGTGGGCTTATATTATAATTTTACACCCAGGTGAGAGTTT
 GGAGATGGTCCCTTGCTAATTTTTTTTCTAAGACATAAGAATGTGGTCTCTTTATTGGCATGAACTTC
 TGTGGAAGATAAATGACAAAACGAATGTATCAAATGAAAAGAACTCACAGTCTCCAGGGCGATGAGCAA
 GGAGAACCATTAAAGAAAACCTCATGGAATGATAGGCTGTGCAGTGCACCTTAATTAGCGTAAATGGA
 GTGCCACTATGCCCTCACTAATTTACTAAGTGATAGGAATGTCCACTATGTCAAAGCAGAAATGTAGTC
 CTAGCATTCTGACCTCAGTAAGTGTGCCGTTGCCACCAGGTTTTATTTACTAAAGGAGATTTTGATTGCG
 AAGGAGAATCTGGTTTCTACTTGTCTGCCGTCGGCTGGTCTCTGGTCTTCTTTTACCCTGGCCTTCAG
 ATGATCAGATGAATGACTGACCAGAGGGAGGAGCCTCTCCAGGTTACTCAGCCAGATAGTGAATGTATG
 AATGGATGGAACGGCGCAATATTCTGAATCTATTTAATGGCACTAGAAAATATGGGCGTTGAAGAGTCGG
 CATGTTGGTGGGACTTAAACAGAAAAGAGCAAACCTGGACTAAACTCCCTATTTATTGCCCTCCTGTTTT
 TTGGTAGTTTCTGGACTGATGCAGTGTATTTTTGTTTCTCCGATTTATAACGAAACACTTTTTTAGCG
 TTTCTAAACAGAGTCTACTTGGTTTGTAGATCAAGTGGTTGGAACACTGTCTGGACTTTTCTACACGGTG
 TTGATTGAAGGCTTTTGGGGAAGCTTTCGGTCAGCTTTATCTGTCTGATTCTGTAATGAGCACAGCAC
 CTATTTTGAATTGCTATTTGGAGGGCCAGTGCTTATTTAAGCTGGATTTTGAACCCAGTAGATTTTGGC
 TTGAGGCTGATTTCCCGTCTTAAATTAAGAATCCTAATGTTGAGAATTGCATAGGTTTGTGTGGAACA
 AAGCCTAGAACAACGTAGGTAACTAGTATCTAGTCTAATTACAGGTGGGGAAGTTTTGGTGCCATAA
 TTTCTCTTTGTTGGTGTGGACTTTTAATCAGCTAAAATGTATTTCTGTACCACAATGTAAGCTTCAATA
 AAAGTTTGCTTAATTGTCTAGTAACATTGAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_009665
Insert Size: 1005 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:	BC080791 , AAH80791
RefSeq Size:	2984 bp
RefSeq ORF:	1005 bp
Locus ID:	11702
UniProt ID:	P0DMN7
Cytogenetics:	10 21.85 cM
Gene Summary:	Essential for biosynthesis of the polyamines spermidine and spermine. Promotes maintenance and self-renewal of embryonic stem cells, by maintaining spermine levels. [UniProtKB/Swiss-Prot Function]