

Product datasheet for **MC228889**

Ampd3 (NM_001276301) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ampd3 (NM_001276301) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ampd3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228889 representing NM_001276301
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGCCAGTTCCTCAAGTTGAACATGTCCGATTTGGACGAACATGTCCGGCTGTTGGCGGAGAAGG
 TGTTTGCTAAGGTGCTCCGAGAAGAGGACAGCAAAGATGTCATGTCCCTGTTTACTGTCCCGAGGACTG
 TCCCATCGGACAGAAGGAAGCCAAGGAGAGGGAGCTACAGAAGGAGCTTGCAGAGCAGAAGTCTGTGGAG
 ACAGCAAAAAGAAAGAAGAGTTTCAAGATGATCCGGTTCGAGTCTTTGTCCCTGCAGATGCCAACACAAC
 AAGACTGGAAAGGTCTCCAAGTCCAGTCTGCCATGTCTCTGCAACCCCTCTGGTCCCGGAGCTAC
 TTCTAAGCCTGGCCAGCACCCATGCTATGCCTGAGTATCAGCGGGTACCATCAGTGGAGATTACTGT
 GCAGGGATCACTGTGGAAGACTATGAGCAGGCTGCCAAGAGCCTGGCCAAGGCCCTGATGATCCGGGAGA
 AGTATGCACGGCTTGCTACCACCGCTTCCACGGACCACAGCCAGTACCTGGCTCATCAGGGGAAAG
 TGTGCCTTTGGAAGAGGGTCTCCAGACTTCCACCTCCCCACTGCCCCAGGAAGACCCTATTGCCTG
 GATGATGCACCCCAACTGGGCTACCTGGTTCGCATGCACGGAGGTGTCTCTTTGTGTATGACAATC
 AGACGATGTTGGAACGCCAGGAGCCCCACAGCCTGCCCTACCCTGACCTGGAGACCTACATTGTGGACAT
 GAGCCATATTCTGGCACTCATCACTGATGGCCCCACGAAAACCTATTGTCAACGGCGACTGAACTTCTG
 GAATCCAAGTTTTCAGCTTTCATGAGATGTTAAATGAAATGTGAGAGTTCAAGGAATTGAAGAGTAACCC
 ACAGAGACTTTTATAATGTGAGAAAGGTAGACACACACATTATGCAGCGGCCTGCATGAATCAGAAGCA
 CCTGCTGCGTTTCATCAAGCACAGTACCAGACAGAGCCGACAGAACTGTGGCGGAGAAGCTAGGTCGG
 AAGATCACCTGCGGCAGGTGTTTGACAGCCTGCACATGGACCCCTACGACCTCAGGTGGACTCGCTGG
 ATGTTTCATGCAGCCGCCAGACATTTACCGCTTCGACAAGTTCAACTCCAAGTACAACCCCGTGGGGG
 CAGCGAGCTCCGGGACCTGTATCTGAAAACCTGAGAACTACCTCGGGGAGAATACTTTGCTCGCATGGTC
 AAGGAAGTGGCCCGGAGCTAGAGGACAGCAAGTACCAATACTCAGAACCCCGGCTCTCCATCTATGGTC
 GCAGTCCCAAGGAGTGGTCTAGCCTGGCCCGCTGGTTCATCCAGCACAAGGTCTACTCACCAACATGCG
 CTGGATCATCCAGGTGCCCGCATCTATGATATATTTAGGTCAAAGAACTACTGCCAACTTTGGGAAG
 ATGCTGGAGAACATCTTCTGCCCTGTTCAAAGTACCATCAACCCCAAGATCATCGGGAGCTTACC
 TCTTCTTAAATACGTGACTGGGTTTGACAGTGTGGATGACGAATCCAAGCACAGTGACCACATGTTCTC
 AGACAAGAGTCCCAGCCAGACCTCTGGACCAGCGAGCAGAACCCGCCCTATAGTTACTACCTGTACTAC
 ATGATGCCAACATCATGGTGTGAACAACCTCCGAGGGAACGAGGCCCTGAGCAGTTCCTCTTCCGGC
 CTAAGTGTGGGAGGCCGCTCCATCACTACCTAGTGTCTGCCTTCTGACGGCAGACAACATTTCCCA
 CGGGCTGCTGCTTAAGAAGAGCCCTGTTTTGCAGTACCTCTACTACCTTGCTCAGATCCCTATTGCCATG
 TCTCTCTCAGCAACAACAGCCTGTTTCTGGAATATTCCAAGAACCCCTCCGGGAATTCCTGCACAAGG
 GACTACATGTCTCTCTCTACCATGACCCATGCAGTTTCACTACACAAGGAAGCGCTCATGGAGGA
 GTACGCCATTGCGGCACAAGTGTGGAAGCTGAGTACCTGCGACCTGTGTGAGATCGCCAGGAACAGTGTG
 CTGCAGAGTGGCTCTCACATCAGGAGAAGCAGAAGTTTCTGGGTCAGAATTATTACAAGGAAGGACCAG
 AGGGCAATGACATTCGAAAGACAAATGTTGCACAGATCCGGATGGCATTCCGCTACGAGACCCTGTGTA
 TGAGCTCAGCTTCTGTCCGATGCCATGAAGTCCGAGGAGATCACAGCCCTGACCAAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001276301

Insert Size: 2301 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001276301.1, NP_001263230.1</u>
RefSeq Size:	3979 bp
RefSeq ORF:	2301 bp
Locus ID:	11717
UniProt ID:	<u>O08739</u>
Cytogenetics:	7 57.85 cM
Gene Summary:	<p>This gene encodes a member of the adenosine and AMP deaminases family. The encoded protein is an AMP deaminase involved in nucleotide and energy metabolism in erythrocytes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]</p> <p>Transcript Variant: This variant (2) uses an alternate 5' exon, compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>