

Product datasheet for **MR231100**

Ampd3 (NM_001276301) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR231100 representing NM_001276301
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCGCCAGTTCCTCAAGTTGAACATGTCCGATTGGACGAACATGTCCGGCTGTTGGCGGAGAAGG
 TGTTTGCTAAGGTGCTCCGAGAAGAGGACAGCAAAGATGTCATGTCCCTGTTACTGTCCCCGAGGACTG
 TCCCATCGGACAGAAGGAAGCAAGGAGAGGGAGCTACAGAAGGAGCTTGCAGAGCAGAAGTCTGTGGAG
 ACAGCAAAAAGAAAGAAGAGTTTCAAGATGATCCGGTTCGAGTCTTTGTCCCTGCAGATGCCAACACAAC
 AAGACTGGAAAGGTCTCCAAGTCCAGTCTGCCATGTCTCTGCAACCCCTCTGGTCCCGGAGCTAC
 TTCTAAGCCTGGGCCAGCACCTATGCTATGCCTGAGTATCAGCGGGTACCATCAGTGGAGATTACTGT
 GCAGGGATCACTGTGGAAGACTATGAGCAGGCTGCCAAGAGCCTGGCCAAGGCCCTGATGATCCGGGAGA
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 TGTGCCTTTGGAAGAGGGTCTCCAGACTTCCACCTCCCCACTGCCCCAGGAAGACCTTATTGCCTG
 GATGATGCACCCCAACTGGGCTACCTGGTTCGCATGCACGGAGGTGTCTCTTTGTGTATGACAATC
 AGACGATGTTGGAACGCCAGGAGCCCCACAGCCTGCCCTACCCTGACCTGGAGACCTACATTGTGGACAT
 GAGCCATATTCTGGCACTCATCACTGATGGCCCCACGAAAACCTATTGTCAACGGCGACTGAACTTCTG
 GAATCCAAGTTTTCAGCTTTCATGAGATGTTAAATGAAATGTGAGAGTTCAAGGAATTGAAGAGTAACCC
 ACAGAGACTTTTATAATGTGAGAAAGGTAGACACACACATTATGCAGCGGCCTGCATGAATCAGAAGCA
 CCTGCTGCGTTTCATCAAGCACAGTACCAGACAGAGCCGACAGAACTGTGGCGGAGAAGCTAGGTCGG
 AAGATCACCTGCGCCAGGTGTTTGACAGCCTGCACATGGACCCCTACGACCTCACGGTGGACTCGCTGG
 ATGTTTCATGCAGCCCGCAGACATTTACCGCTTCGACAAGTTCAACTCCAAGTACAACCCCGTGGGGGC
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 AAGGAAGTGGCCCGGAGCTAGAGGACAGCAAGTACCAATACTCAGAACCCCGGCTCTCCATCTATGGTC
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 CTGGATCATCCAGGTGCCCGCATCTATGATATATTTAGGTCAAAGAACTACTGCCAACTTTGGGAAG
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 TCTTCTTAAATACGTGACTGGGTTTGACAGTGTGGATGACGAATCCAAGCACAGTGACCACATGTTCTC
 AGACAAGAGTCCCAGCCAGACCTCTGGACCAGCGAGCAGAACCCGCCCTATAGTTACTACCTGTACTAC
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 CGGGCTGCTGCTTAAGAAGAGCCCTGTTTTGCAGTACCTCTACTACCTTGCTCAGATCCCTATTGCCATG
 TCTCTCTCAGCAACAACAGCCTGTTTCTGGAATATTCCAAGAACCCCTCCGGGAATTCCTGCACAAGG
 GACTACATGTCTCTCTCTACCAGTACCCCATGCAGTTTCACTACACAAGGAAGCGCTCATGGAGGA
 GTACGCCATTGCGGCACAAGTGTGGAAGCTGAGTACCTGCGACCTGTGTGAGATCGCCAGGAACAGTGTG
 CTGCAGAGTGGCCTCTCACATCAGGAGAAGCAGAAGTTTCTGGGTGAGAATTATTACAAGGAAGGACCAG
 AGGGCAATGACATTCGAAAGACAAATGTTGCACAGATCCGGATGGCATTCCGCTACGAGACCCCTGTGTA
 TGAGCTCAGCTTCTGTCCGATGCCATGAAGTCCGAGGAGATCACAGCCCTGACCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231100 representing NM_001276301
Red=Cloning site Green=Tags(s)

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MPRQFPKLNMSDLDEHVRLLAEKVFVAKVLRREDSKDVMSLFTVPEDCPIGQKEAKERELQKELAEQKSVE
TAKRKKSFKMIRSQSLSLQMPTQQDWKGPPTASPAMSPATPLVPGATSKPGPAPYAMPEYQRVTISGDYC
AGITVEDYEQAASLAKALMIREKYARLAYHRFPRTTAQYLAHQGESVPLEEGLPDFHPPPLPQEDPYCL
DDAPPNLGYLVRMHGGVLFVYDNQTMLERQEPHSLPYDLETYIVDMSHILALITDGPCTKYCHRRNLFL
ESKFSLHEMLNEMSEFKELKSNPHRDFYNVRKVDTIHAAACMNQKHLRFLKHTYQTEPDRVAEKLGR
KITLRQVFDLSHMDPYDLTVDSLVDVHAGRQTFHRFDKFNKYNPVGASELRDLYLKTENYLGGEYFARMV
KEVARELEDSKYQYSEPRLSIYGRSPKEWSSLARWFIQHKVYSPNMRWIIQVPRIYDIFRSKLLPNFGK
MLENIFLPLFKATINPDHRELHLFLKYVTGFDSVDDSKHSDHMFSDKSPDLWTSEQNPPYSYYLYY
MYANIMVLNLRERGLSTFLFRPHCGEAGSITHLVSAFLTADNISHGLLLKKSPVLQYLYLAQIPIAM
SPLSNNSLFLEYSKNPLREFLHKGLHVSLSDDPMQFHYTEALMEEYIAAQVWKLSTCDLCEIARNSV
LQSGLSHQEKQKFLGQNYKKEGPEGNDIRKTNVAQIRMAFRYETLCNELSFLSDAMKSEEITALTK
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001276301

ORF Size: 2298 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001276301.1](#), [NP_001263230.1](#)

RefSeq Size: 3979 bp

RefSeq ORF: 2301 bp

Locus ID: 11717

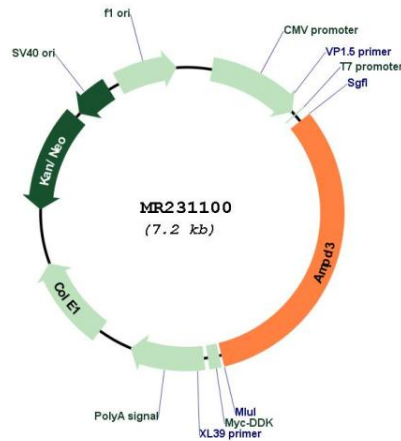
UniProt ID: [O08739](#)

Cytogenetics: 7 57.85 cM

MW: 88.7 kDa

Gene Summary: 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]

Product images:



Circular map for MR231100