

## Product datasheet for **MR210541**

### **Ampd3 (NM\_009667) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ampd3 (NM_009667) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ampd3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MR210541 representing NM\_009667  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCCCGCCAGTTCCTCAAGTTGAACATGTCCGATTTGGACGAACATGTCCGGCTGTTGGCGGAGAAGG  
TGTTTGCTAAGGTGCTCCGAGAAGAGGACAGCAAAGATGTCATGTCCCTGTTTACTGTCCCCGAGGACTG  
TCCCATCGGACAGAAGGAAGCCAAGGAGAGGGAGCTACAGAAGGAGCTTGCAGAGCAGAAGTCTGTGGAG  
ACAGCAAAAAGAAAGAAGAGTTTCAAGATGATCCGGTTCGAGTCTTTGTCCCTGCAGATGCCAACACAAC  
AAGACTGGAAAGGTCTCCAAGTCCAGTCTGCCATGTCTCTGCAACCCCTCTGGTTCGGGAGCTAC  
TTCTAAGCCTGGCCAGCACCCATGCTATGCCTGAGTATCAGCGGGTACCATCAGTGGAGATTACTGT  
GCAGGGATCACTGTGGAAGACTATGAGCAGGCTGCCAAGAGCCTGGCCAAGGCCCTGATGATCCGGGAGA  
AGTATGCACGGCTTGCTACCACCGCTTCCACGGACCACAGCCAGTACCTGGCTCATCAGGGGAAAG  
TGTGCCTTTGGAAGAGGGTCTCCAGACTTCCACCTCCCCACTGCCCCAGGAAGACCCCTATTGCCTG  
GATGATGCACCCCAACTGGGCTACCTGGTTCGCATGCACGGAGGTGTCTCTTTGTGTATGACAATC  
AGACGATGTTGGAACGCCAGGAGCCCCACAGCCTGCCCTACCCTGACCTGGAGACCTACATTGTGGACAT  
GAGCCATATTCTGGCACTCATCACTGATGGCCCCACGAAAACCTATTGTCAACGGCGACTGAACTTCTG  
GAATCCAAGTTTTCAGCTTTCATGAGATGTTAAATGAAATGTGAGAGTTCAAGGAATTGAAGAGTAACCC  
ACAGAGACTTTTATAATGTGAGAAAGGTAGACACACACATTATGCAGCGGCCTGCATGAATCAGAAGCA  
CCTGCTGCGTTTCATCAAGCACAGTACCAGACAGAGCCGACAGAACTGTGGCGGAGAAGCTAGGTCGG  
AAGATCACCTGCGGCGAGGTGTTTGACAGCCTGCACATGGACCCCTACGACCTCACGGTGGACTCGCTGG  
ATGTTTCATGCAGCCCGCAGACATTTACCGCTTCGACAAGTTCAACTCCAAGTACAACCCCGTGGGGGC  
CAGCGAGCTCCGGGACCTGTATCTGAAAACCTGAGAACTACCTCGGGGAGAATACTTTGCTCGCATGGTC  
AAGGAAGTGGCCCGGAGCTAGAGGACAGCAAGTACCAATACTCAGAACCCCGGCTCTCCATCTATGGTC  
GCAGTCCCAAGGAGTGGTCTAGCCTGGCCCGCTGGTTCATCCAGCACAAGGTCTACTCACCAACATGCG  
CTGGATCATCCAGGTGCCCGCATCTATGATATATTTAGGTCAAAGAACTACTGCCAACTTTGGGAAG  
ATGCTGGAGAACATCTTCTGCCCTGTTCAAAGTACCATCAACCCCAAGATCATCGGGAGCTTACC  
TCTTCTTAAATACGTGACTGGGTTTGACAGTGTGGATGACGAATCCAAGCACAGTGACCACATGTTCTC  
AGACAAGAGTCCCAGCCAGACCTCTGGACCAGCGAGCAGAACCCGCCCTATAGTTACTACCTGTACTAC  
ATGATGCCAACATCATGGTGTGAACAACCTCCGCAGGGAACGAGGCCCTGAGCACGTTCTCTTCCGGC  
CTCACTGTGGGGAGGCCGCTCCATCACTCACCTAGTGTCTGCCTTCCTGACGGCAGACAACATTTCCCA  
CGGGCTGCTGCTTAAGAAGAGCCCTGTTTTGCAGTACCTCTACTACCTTGCTCAGATCCCTATTGCCATG  
TCTCTCTCAGCAACAACAGCCTGTTTCTGGAATATTCCAAGAACCCCTCCGGGAATTCCTGCACAAGG  
GACTACATGTCTCTCTCTACCAGTACCCCATGCAGTTTCACTACACAAGGAAGCGCTCATGGAGGA  
GTACGCCATTGCGGCACAAGTGTGGAAGCTGAGTACCTGCGACCTGTGTGAGATCGCCAGGAACAGTGTG  
CTGCAGAGTGGCCTCTCACATCAGGAGAAGCAGAAGTTTCTGGGTGAGAATTATTACAAGGAAGGACCAG  
AGGGCAATGACATTCGAAAGACAAATGTTGCACAGATCCGGATGGCATTCCGCTACGAGACCCCTGTGTA  
TGAGCTCAGCTTCTGTCCGATGCCATGAAGTCCGAGGAGATCACAGCCCTGACCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210541 representing NM\_009667  
Red=Cloning site Green=Tags(s)

MPRQFPKLNMSDLDEHVRLLAEKVFAKVLREEDSKDVMSLFTVPEDCPIGQKEAKERELQKELAEQKSVE  
 TAKRKKSFKMIRSQSLSLQMPTQQDWKGPPTASPAMSPATPLVPGATSKPGPAPYAMPEYQRVTISGDYC  
 AGITVEDYEQAASLAKALMIREKYARLAYHRFPRTTAQYLAHQGESVPLEEGLPDFHPPPLPQEDPYCL  
 DDAPPNLGYLVRMHGGVLFVYDNQTMLERQEPHSLPYPDLETYIVDMSHILALITDGPCTKYCHRRNLFL  
 ESKFSLHEMLNEMSEFKELKSNPHRDFYNVRKVDTIHAAACMNQKHLRFLIKHTYQTEPDRTVAEKLGR  
 KITLRQVFDLSHMDPYDLTVDSL DVHAGRQTFHRFDKFNKYNPVGASELRDLYLK TENYLGGEYFARMV  
 KEVARELED SKYQYSEPRLSIYGRSPKEWSSLARWFIQHKVYSPNMRWIIQVPRIYDIFRSKLLPNFGK  
 MLENIFLPLFKATINPQDHRELHLFLKYVTGFDSVDDSKHSDHMFSDKSPDLWTSEQNPPYSYLYY  
 MYANIMVLNLRERGLSTFLFRPHCGEAGSITHLVSAFLTADNISHGLLLKKSPVLQYLYLAQIPIAM  
 SPLSNNSLFLEYSKNPLREFLHKGLHVS LSTDDPMQFH YTK EALMEEY AIAAQVWKLSTCDLCEIARNSV  
 LQSGLSHQEKQKFLGQNY YKEGPEGNDIRKTNVAQIRMAFRYETLCNELSFLSDAMKSEEITALTK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9088\\_f02.zip](https://cdn.origene.com/chromatograms/mm9088_f02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

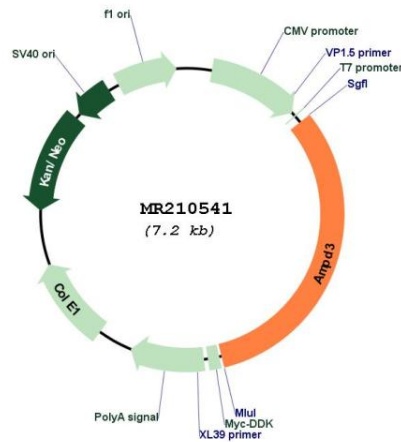
**ACCN:** NM\_009667

**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_009667.3, NP_033797.2</u>
<b>RefSeq Size:</b>	4098 bp
<b>RefSeq ORF:</b>	2301 bp
<b>Locus ID:</b>	11717
<b>UniProt ID:</b>	<u>O08739</u>
<b>Cytogenetics:</b>	7 57.85 cM
<b>MW:</b>	88.7 kDa
<b>Gene Summary:</b>	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 MR210541