

## Product datasheet for **MC221328**

### **Ampd1 (NM\_001033303) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ampd1 (NM_001033303) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ampd1
Synonyms:	AI553520; Ampd-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221328 representing NM\_001033303  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTCTATTCAAACAACTAACAGGTCAAGGAAAACAAATTGATGATGCAATGCGTAGCTTTGCTGAAAAAG  
 TGTTTGCCTCTGAAGTCAAAGATGAGGGAGGTCGGCACGAGATCTCCCCCTTCGACGTGGATGAGATCTG  
 CCCAATTTCCCTTCATGAGATGCAGGCCACATATTCCACATGGAGAACCTGTCCATGGATGGCAGGAGA  
 AAAAGGCGTTTCCAAGGACGGAAGACTGTTAATTTGTCATTCCACAAAGTGAACATCTTCTACCAAAC  
 TGTCACCATCGAAGAATTTATTTCTTCATCCCCAACCTACGAGAGTGTGCCTGACTTCCAGAGGGTGCA  
 GATCACTGGAGACTATGCCTCGGGGTAACCGTTGAAGACTTTGAGGTGGTTTGTAAAGGTCTCTATCGG  
 GCATTGTGTATACGAGAGAAATACATGCAGAAGTCATTCCAGAGGTTCCCAAGACCCCCCTCAAGTACT  
 TGAGGAACATTGATGGCGAAGCCTTGGTAGGAAACGAGAGCTTCTACCCAGTATTTACCCCTCCTCCGAA  
 GAAGGGTGAAGACCCCTTTCGCACAGAGGACCTTCTGCAAACCTGGGCTATCACCTCAAGTGAAGGCT  
 GGTGTGATTTACATCTACCCTGATGAAGCGGCAGCCAACAGAGATGAGCCCAAGCCCTACCTTACCCAA  
 ATCTGGATGACTTCTGGATGACATGAATTTTTGCTTGCTCTAATTGCAACAAGGCCTGTTAAGACTTA  
 TGCTCACCGCCGCTGAAGTTCCCTCCTCCAAGTTCAGGTCCATCAGATGCTCAACGAGATGGATGAG  
 CTGAAGGAGTGAAGAACAACCCCAACCGGACTTTTATAACTGCAGGAAGGTGGATACTCACATCCATG  
 CAGCTGCCTGCATGAACCAGAAGCACCTGCTGCGCTTCATTAAGAAATCTTACCATTGACGCCGACAG  
 GGTGGTCTACAGCACTAAAGAGAAGAGCCTGACTCTGAAGGAACTTTTGCTAAGTTGAATATGCATCCC  
 TATGACCTGACTGTTGACTCTCTGGATGTTTCATGCTGGACGCCAGACGTTCCAACGTTTTGATAAGTTCA  
 ATGACAAATACAATCCCCTGGTGAAGTGAAGTTCGGGACCTTACCTAAAAACAGACAACACTATTAA  
 TGGGGAGTATTTTGCCTACTATCATCAAGGAGGTGGGTGCAGACCTGGTGGAGGCCAAGTATCAGCATGCA  
 GAGCCTCGCTTATCCATCTACGGTCGCAGTCCAGATGAGTGAACAACACTCTCCTCTTGGTTTGTCTGCA  
 ATCGCATCTATTGCCCAACATGACGTGGATGATCCAGTCCCAAGGATCTATGATGTGTTCCGATCCAA  
 GAATTTCTGCCACACTTCGAAAGATGCTGGAGAATATTTTCTTCCAGTGTGTTGAGGCCACCATCAAC  
 CCCCAGCTCACCCAGACCTCAGTGTCTTCTCAAGCACATCACTGGCTTTGACAGTGTGGATGATGAAT  
 CCAAACACAGTGGTCACATGTTTTCTCCAAGAGTCCCAAACCCGAGGAGTGGACAATGGAAAACAACCC  
 GTCTTACTTACTATGCCTACTACATGTATGCAAACATCACGGTCTCAACAGCCTGAGAAAGGAACGA  
 GGCATGAATACATTTCTGTTTCGTCCTCCACTGTGGGAGGCTGGGCTCTCACTCACCTCATGACAGCCT  
 TCATGATAGCAGACAATATTTCTCATGGACTGAATTTAAAGAAGAGTCTGTGCTACAGTACTGTTTTT  
 CCTAGCCAGATTTCCATCGCCATGTCACCGCTGAGTAACAACAGTCTGTTCTCGAATATGCAAAGAAT  
 CCTTTCTAGATTTCTCCAGAAAGGCCTGATGATCTCACTGTCGACCGATGACCCGATGCAAGTCCACT  
 TCACCAAGGAGCCCTGATGGAAGAATACGCCATCGCTGCGCAAGTCTTCAAGCTGAGCAGTGTGACAT  
 GTGTGAGGTGGCAAGGAACAGTGTCTGCAAGTGTGGGATTTCTCATGAGGAAAAAGCAAAGTTTCTGGGC  
 AACAATTACCTTGAGGAAGGCCCTGTTGGAAATGACATCCGGAGGACAAATGTCGCTCAGATTCGCATGG  
 CCTATCGTTATGAACTTGGTGTATGAACTCAATTTAATTGCTGAGGGTCTTAAAGCAACAGAA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001033303  
**Insert Size:** 2238 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).

<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><a href="#">NM_001033303.2</a></u> , <u><a href="#">NP_001028475.2</a></u>
<b>RefSeq Size:</b>	2342 bp
<b>RefSeq ORF:</b>	2238 bp
<b>Locus ID:</b>	229665
<b>UniProt ID:</b>	<u><a href="#">Q3V1D3</a></u>
<b>Cytogenetics:</b>	3 45.25 cM
<b>Gene Summary:</b>	AMP deaminase plays a critical role in energy metabolism.[UniProtKB/Swiss-Prot Function]