

## Product datasheet for **MR231230**

### **Ampd2 (NM\_001289720) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ampd2 (NM_001289720) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ampd2
Synonyms:	1200014F01Rik; AI552571; Ampd-2; m4521Dajl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR231230 representing NM\_001289720  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCATCCTATCCTGGCCAGGCAAGTCCAAGGCCAAATATCCCTTTAAGAAGCGGGCCGGCTGCAAG  
 CTTCGCGTGCCGCTCCAGAAGCTCGAAGCGGTCTGGGGGCTCTCCGCTACAGTCTGCCGATCCCTGCC  
 AGGCAACGCCCTTGCCCAAGCACTTCCCGCTTGACCTGCGCACGTCTATGGATGGCAAAATGCAAGGAG  
 ATCGCTGAGGAGTTGTTCAAGCGCTCACTGGTGAGAGTGAGCTTCGTAGCGCCCCTTATGAGTTCCAG  
 AGGAAAGCCCATCGAGCAGCTAGAAGAACGGAGGCAGCGGTGGAGCGCCAGATCAGCCAGGATGTCAA  
 GCTGGAGCCAGATATTCTTCTCGAGCCAAGCAAGATTTCTGAAGACAGACAGCGACTCAGACTTACAG  
 CTGTACAAGGAGCAAGGAGAGGGACAGGGTGACAGGGTCTTTGGGAACGTGATGTGGTATTGGAACGGG  
 AATTTAGCGGGTCAATCTCTGGGGAGGAGAAGTGTGGGTGCCATTCACAGACCTCTTAGACGCAGC  
 CAAAAGTGTGGTTCGGGCACTTTTCATCCGGGAGAAGTACATGGCCCTACTGCAGAGCTTCTGTCCC  
 ACCACCCGCCGTTACCTGCAGCAGCTGGCTGAGAAGCCCTGGAGACTCGAACTTATGAGCAGAGTCTGT  
 ATACCCCTGTATCTGCTGATGCCCCAGTGCATCCCCCTGCACTGGAGCAGCACCCGTATGAGCACTGTGA  
 GCCAAGGCCATGCCTGGGGACCTGGGCTTGGGTCTGCGCATGGTGCCTGGTGTGGTGCACGTCTACACC  
 CGCAGGGACCCTGATGAGCACTGTCGGGAGGTGGAGCTTCATACCCCTGACCTACAGGAATTTGTAGCTG  
 ACGTCAATGTGCTGATGGCCCTGATCATCAATGGTCCCATAAAGTCATTCTGCTACCGCCGGCTGCAGTA  
 CCTGAGCTCCAAATCCAGATGCACGTTTTGCTCAATGAGATGAAGGAGCTCGTCTCAGAAGAAAGTG  
 CCACACCGGGACTTCTACAATATCCGTAAGGTGGACACACATCCACGCTCGTCTGCATGAACCAGA  
 AACCTACTGCGCTTTCATCAAGCGGGCCATGAAGCGGCACCTGGAGGAGATTGTGCATGTGGAACAGGG  
 CCGCGAGCAGACGCTGAGAGAAGTCTTCGAGAGCATGAACCTCACTGCCTACGACTTAAGTGTGGACAG  
 CTGGATGTGCATGCGGACAGGAATACCTTTCATCGATTTGACAAAATCAATGCCAAATACAACCCTATTG  
 GGGAGTCTGTTCTCCGAGAGATTTTCAATAAAACCGACAACAAGATTTCTGGGAAGTACTTTGCTCACAT  
 CATCAAGGAGGTGATGGCAGACTTGAGGAGAGCAAATACCAGAAATGCAGAGCTCCGGCTGTCCATCTAC  
 GGGCGTTCGAGGGATGAGTGGGACAAGCTGGCACGCTGGGCGTGAACCACAAAGTGCACCTCCCAATG  
 TCCGCTGGCTGGTGCAGGTGCCCGCTTTCGATGTGTACCGCACCAAGGGCCAGCTGGCCAATTCAC  
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 CACCTCTTCTGGAGCACGTGGATGGTTTTGATAGCGTGGATGATGAGTCCAAGCCAGAGAACCACGTCT  
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 CTACACCTTCGCTAACATGGCTATGTTGAACCATCTGCGCAGGCAGAGAGGTTTCCACACGTTCTGTGCTG  
 AGGCCGCACTGTGGGGAGGCCGGGCCCATCCACCACCTGGTATCAGCCTTCATGTGGCCGAGAACATCT  
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 CATGTCCCGCTCAGCAACAACAGCCTGTTCTCAGCTACCACCGGAACCCTCTCCCTGAGTACTTGTCC  
 CGTGGCCTCATGGTCTCGCTGTCCACAGATGATCCCTTGCACTTCCACTCACCAAGGTGAGACCCAGGC  
 CAGCGGGCAGCCAAGGGCAGGAGCCCTGATGGAGGAGTACAGCATCGCCACCCAGGTGTGGAAGCTCAG  
 CTCCTGCGATATGTGCGAGCTGGCCGTAACAGCGTGTCTATGAGTGGCTTCTCTACAAGGTGAAAAGC  
 CACTGGCTGGGACCCAACTATACCAAGGAGGGCCCTGAGGGCAATGATATCCGCCGTACCAACGTGCCAG  
 ACATCCGAGTGGCTACCGCTATGAGACGCTATGCCAGGAGCTGGCACTTATCACACAGGCCGTCCAAG  
 TGAGATGCTGGAGACCATCCAGAGGAAGTGGGCATTGTCATGAGCCAGGGCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR231230 representing NM\_001289720  
 Red=Cloning site Green=Tags(s)

MASYPGPGKSKAKYPFKKRAGLQASAAPEARSGLGASPLQSARSLPGNAPCLKHFPLDLRTSMDGKCKE  
 IAEELFSRSLAESELSAPYEFPEESPIEQLEERRQLERQISQDVKLEPDILLRAKQDFLKTSDSDLQ  
 LYKEQGEQGDRLWERDVVLEREFQRVIISGEEKCGVPFTDLLDAAKSVVRALFIREKYMALSLQSFPC  
 TTRRYLQQLAEKPLETRTYEQSPDTPVSADAPVHPPALEQHPYEHCEPSAMPGDGLGLRMVRGVVHVYT  
 RRDPDEHCPEVELPYPDLQEFVADVNVLMALIINGPIKSFCYRRLQYLSSKFQMHVLLNEMKELAAQKKV  
 PHRDFYNIIRKVDTHIHASSCMNQKHLRFIKRAMKRHLEEIVHVEQGREQTLREVFESMNLTAIDLSDVT  
 LDVHADRNTHFRFDKFNAYNPIGESVLREIFIKTDNKISGKYFAHIIKEVMADLEESKYQNAELRLSIY  
 GRSRDEWDKLARWAVNHKVHSPNVRWLQVPRLFDVYRTKGQLANFQEMLENIFLPLFEATVHPASHPEL  
 HLFLEHVDGFDSVDDSKPENHVFNLESPLPEAWVEEDNPPYAYLYYTFANMAMLNHLRRQRFHTFVL  
 RPHCGEAGPIHHLVSFMLEAENISHGLLLRKAPVLQYLYLAQIGIAMSPLSNNSLFLSYHRNPLPEYLS  
 RGLMVSSTDDPLQFHFTKVRPRPAGSQGQEPLMEEYSIATQVWKLSSCDMCELARNSVLSMGFSHKVKS  
 HWLGPNTYKEGPEGNDIRRTNVPDIRVGYRYETLCQELALITQAVQSEMLETIPEEVGIVMSPGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**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\\_001289720.1](#), [NP\\_001276649.1](#)

**RefSeq Size:** 3458 bp

**RefSeq ORF:** 2508 bp

**Locus ID:** 109674

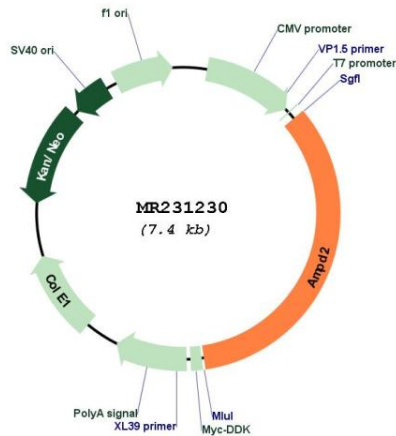
**UniProt ID:** [Q9DBT5](#)

**Cytogenetics:** 3 46.83 cM

**MW:** 96.3 kDa

**Gene Summary:** AMP deaminase plays a critical role in energy metabolism. Catalyzes the deamination of AMP to IMP and plays an important role in the purine nucleotide cycle (By similarity).  
[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR231230