

Product datasheet for **MC228954**

Ampd2 (NM_001289719) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ampd2 (NM_001289719) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ampd2
Synonyms:	1200014F01Rik; AI552571; Ampd-2; m4521Dajl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC228954 representing NM_001289719
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCAGAAGCTCGAAGCGGTCTGGGGCCTCTCCGCTACAGTCTGCCCGATCCCTGCCAGGCAACG
 CCCTTGCTCAAGCACTTCCCGCTTGACTGCGCACGTCTATGGATGGCAAATGCAAGGAGATCGCTGA
 GGAGTTGTTAGCCGCTCACTGGCTGAGAGTGAGCTTCGTAGCGCCCTTATGAGTTCCAGAGGAAAGC
 CCCATCGAGCAGCTAGAAGAACGGAGGCAGCGGCTGGAGCGCCAGATCAGCCAGGATGTCAAGCTGGAGC
 CAGATATTCTTTCGAGCCAAGCAAGATTTCTGAAGACAGACAGCGACTCAGACTTACAGCTGTACAA
 GGAGCAAGGAGAGGGACAGGGTGACAGGGGTCTTTGGAACTGATGTGGTATTGGAACGGGAATTTAG
 CCGGTCATCATCTCTGGGAGGAGAAGTGTGGGTGCCATTACAGACCTTTAGACGCAGCCAAAAGTG
 TGGTTCGGGCACTTTTCATCCGGGAGAAGTACATGGCCCTACTGCAGAGCTTCTGTCCACCACCCG
 CCGTTACCTGCAGCAGCTGGCTGAGAAGCCCTGGAGACTCGAATTATGAGCAGAGTCTGATACCCCT
 GTATCTGCTGATGCCCACTGCATCCCCCTGCCTGGAGCAGCACCCGTATGAGCACTGTGAGCCAAGCG
 CCATGCCTGGGGACCTGGGCTTGGGTCTGCGCATGGTGGCTGGTGTGGTGACAGTCTACACCCGAGGGA
 CCCTGATGAGCACTGTCCGGAGGTGGAGCTTCCATACCCTGACCTACAGGAATTTGTAGCTGACGTCAAT
 GTGCTGATGGCCCTGATCATCAATGGTCCCATAAAGTCATTCTGTACCGCCGGCTGCAGTACCTGAGCT
 CCAAATTCAGATGCACGTTTTGCTCAATGAGATGAAGGAGCTCGCTGCTCAGAAGAAAGTCCACACCCG
 GGACTTCTACAATATCCGTAAGGTGGACACACATCCACGCCTCGTCTGCATGAACAGAAACATCTA
 CTGGCCTTCATCAAGCGGGCCATGAAGCGGCACCTGGAGGAGATTGTGCATGTGGAACAGGGCCCGGAGC
 AGACGCTGAGAGAAGTCTTCGAGAGCATGAACCTCACTGCCTACGACTTAAGTGTGGACAGCTGGATGT
 GCATGCGGACAGGAATACCTTTTCATCGATTTGACAAATCAATGCCAAATACAACCCTATTGGGGAGTCT
 GTTCTCCGAGAGATCTTATTAACCCGACAACAAGATTTCTGGGAAGTACTTTGCTCACATCATCAAGG
 AGGTGATGGCAGACTTGGAGGAGAGCAAAATACCAGAATGCAGAGCTCCGGCTGTCCATCTACGGGCTTC
 GAGGGATGAGTGGGACAAGCTGGCAGCTGGGAGTGAACCACAAAGTGCCTCTCCCAATGTCCGCTGG
 CTGGTGCAGTGGCCCGCTCTTCGATGTGTACCACCAAGGGCCAGCTGGCCAACCTCCAAGAGATGC
 TGGAGAACATCTTCTGCCCTGTTTGGGCTACTGTGCACCCTGCCAGCCACCCGGAGCTGCACCTCTT
 TCTGGAGCACGTGGATGGTTTTGATAGCGTGGATGATGAGTCCAAGCCAGAGAACCAGTCTTCAACCTG
 GAGAGTCCCTCCAGAAGCTTGGGTGGAGGAGACAACCCTCCCTATGCCTACTACCTGTACTACCT
 TCGCTAACATGGCTATGTTGAACCATCTGCGCAGGCAGAGAGGTTTCCACACGTTCTGTGCTGAGGCCGCA
 CTGTGGGAGGCGGCCCATCCACCACCTGGTATCAGCCTTCATGCTGGCCGAGAACATCTCCACGGG
 CTGCTCCTGCGCAAGGCCCGCTCCTGCAGTACCTGTATTACCTGGCTCAGATCGGCATCGCCATGTCCC
 CGCTCAGCAACAACAGCCTGTTCCCTCAGTACCACCGGAACCCTCTCCCTGAGTACTTGTCCCGTGGCCT
 CATGGTCTCGTGTCCACAGATGATCCCTTGCAGTTCACCTTACCAAGGAGCCCTGATGGAGGAGTAC
 AGCATCGCACCCAGGTGTGAAGCTCAGCTCCTGCGATATGTGCGAGCTGGCCCGTAACAGCGTGTCTCA
 TGAGTGGCTTCTCTACAAGGTGAAAAGCCACTGGCTGGGACCCAACTATACCAAGGAGGGCCCTGAGGG
 CAATGATATCCGCCGTACCAACGTGCCAGACATCCGAGTGGGCTACCGCTATGAGACGCTATGCCAGGAG
 CTGGCACTTATCACACAGGCCGTCCAAAGTGAGATGCTGGAGACCATCCCAGAGGAAGTGGGCATTGTCA
 TGAGCCAGGGCCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001289719
Insert Size: 2397 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_001289719.1</u> , <u>NP_001276648.1</u>
RefSeq Size:	3608 bp
RefSeq ORF:	2397 bp
Locus ID:	109674
UniProt ID:	<u>Q9DBT5</u>
Cytogenetics:	3 46.83 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence and uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (b) has a shorter and distinct N-terminus and lacks an alternate internal segment compared to isoform a. Variants 2 and 3 both encode the same isoform (b).</p>