

Product datasheet for MC202628

Ampd2 (NM_028779) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ampd2 (NM_028779) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ampd2
Synonyms: 1200014F01Rik; AI552571; Ampd-2; m4521Dajl
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC049119 sequence for NM_028779
AAGTTTTCGGCGGGTTCGCACCTGTTGCGTGACTCCCCCGTAGCCCGGCCACAGGAGCCGGATCCCTAAT
TGATCCAGAAAGTGGTAAAAGAACCCTAGCGAATCCGGGTCGGTTTTCTGGGAGACAGTGGCCT
GTTTCCTTTGAGTGCAGGCTTGGGGTTCGCGACTCCGGGCTCTCCTGAGGTCAGTCTGGCCGCTGAAGTC
GGCGGGAGTCCGCCCCCGGCCAGCTGGCCATTTTAAAAACCTTGCCTTCTTCCCGCTTCTCAGTGCGG
GTGCAGGGGCCAGTGGCGGACTTCGCCCGGTGGGGGCCCTCTCCCTTTCAGCCCGCTCCCTCGCT
GTGCAGACTTTTCGTAGGCTGCCTTCTGGTCCACGCGGGACTTGGGCAGCATGGCCTCAGAAGCTCGAAG
CGGTCTGGGGGCCCTCTCCGCTACAGTCTGCCGATCCCTGCCAGGCAACGCCCTTGCCTCAAGCACTTC
CCGCTTGACCTGCGCACGTCTATGGATGGCAAATGCAAGGAGATCGCTGAGGAGTTGTTTCAGCCGCTCAC
TGGCTGAGAGTGAGCTTCGTAGCGCCCTTATGAGTTCAGAGGAAAGCCCATCGAGCAGCTAGAAGA
ACGGAGGCAGCGGCTGGAGCGCCAGATCAGCCAGGATGTCAAGCTGGAGCCAGATATTCTTCTTCGAGCC
AAGCAAGATTTCCCTGAAGACAGACAGCGACTCAGACTTACAGCTGTACAAGGAGCAAGGAGAGGGACAGG
GTGACAGGGGTCTTTGGGAACGTGATGTGGTATTGGAACGGGAATTTACAGCGGTTCATCATCTCTGGGGA
GGAGAAGTGTGGGGTGCCATTACAGACCTCTTAGACGCGCCAAAAGTGTGGTTCGGGCACTTTTCATC
CGGGAGAAGTACATGGCCCTATCACTGCAGAGCTTCTGTCCCACCACCCGCGTTACCTGCAGCAGCTGG
CTGAGAAGCCCCCTGGAGACTCGAAGTATGAGCAGAGTCTGATACCCCTGTATCTGCTGATGCCCCAGT
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AGGTGGAGCTTCCATACCCTGACCTACAGGAATTTGAGCTGACGTCAATGTGCTGATGGCCCTGATCAT
CAATGGTCCATAAAGTCAATCTGCTACCGCCGCTGCAGTACCTGAGCTCCAAATTCAGATGCACGTT
TTGCTCAATGAGATGAAGGAGCTCGCTGCTCAGAAGAAAGTGCCACACCGGGACTTCTACAATATCCGTA
AGGTGGACACACATCCACGCCTCGTCTGCATGAACCAGAAACATCTACTGCGCTTCAAGCGGGC
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TTCATCGATTTGACAAATCAATGCCAAATACAACCCTATTGGGGAGTCTGTTCTCCGAGAGATCTTCAT
TAAACCAGACAACAAGATTTCTGGGAAGTACTTTGCTCACATCATCAAGGAGGTGATGGCAGACTTGGAG
GAGAGCAATACCAGAATGCAGAGCTCCGCTGTCCATCTACGGCGTTCGAGGGATGAGTGGGACAAGC



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TGGCACGCTGGGCAGTGAACCACAAAGTCACTCTCCCAATGTCCGCTGGCTGGTGCAGGTGCCCGCCT
CTTCGATGTGTACCGCACCAAGGGCCAGCTGGCCAACCTCCAAGAGATGCTGGAGAACATCTTTCTGCC
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AACCATCTGCGCAGGCAGAGAGGTTTCCACACGTTTCGTGCTGAGGCCGCACTGTGGGAGGCCGGGCCA
TCCACCACCTGGTATCAGCCTTTCATGCTGGCCGAGAACATCTCCACGGGCTGCTCTGCGCAAGGCCCC
CGTCTGCAGTACCTGTATTACCTGGCTCAGATCGGCATCGCCATGTCCCGCTCAGCAACAACAGCCTG
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GTGAAAAGCCACTGGCTGGGACCCAACTATACCAAGGAGGGCCCTGAGGGCAATGATATCCGCCGTACCA
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CGTCCAAAGTGAGATGCTGGAGACCATCCAGAGGAAGTGGGCATTGTCATGAGCCAGGGCCTTAGTGC
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TAGAGTTCAAGTTGAGTTTCCCTCTTGTATGTGGCTGTGGGACAGGAGGGGCTCGTTATCTCTGCT
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TCCTCCACGCCACGTGTTTCTTTGTTACCAGCCCCCTTGATCCCTGTGGGAGGGGAGCTGCCCTG
ACCTGTCTCAGTTGGAGGCTATTGCAGTTGGAGGGTGTGGAAGTGTACTAGCTCTGGAGGTGGCACCT
TCTTTGGGGTTTCCAGTCTTTGACCAGACCCAGTTCAGCCAGCCTCTTGTGTATGTTCTAGACCC
AGGCCTTTGCTATGAAGAACAGTGTTCATATGACCCATTTTTCTAGTGCATGAGAAATAAAAAGATT
ATTTAATTAATAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:

AscI-NotI

ACCN:

NM_028779

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).

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:
[BC049119](#), [AAH49119](#)
RefSeq Size:

3667 bp

RefSeq ORF: 2397 bp

Locus ID: 109674

UniProt ID: [Q9DBT5](#)

Cytogenetics: 3 46.83 cM

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]

Transcript Variant: This variant (2) 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).

Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.