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Product datasheet for MC229019

Ampd2 (NM_001289720) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ampd2 (NM_001289720) 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

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Fully Sequenced ORF:

>MC229019 representing NM_001289720
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCATCCTATCCTGGCCCAGGCAAGTCCAAGGCCAAATATCCCTTTAAGAAGCGGGCCGGCCTGCAAG
CTTCCGCTGCCGCTCCAGAAGCTCGAAGCGGTCTGGGGGCCTCTCCGCTACAGTCTGCCCGATCCCTGCC
AGGCAACGCCCCTTGCCTCAAGCACTTCCCGCTTGACCTGCGCACGTCTATGGATGGCAAATGCAAGGAG
ATCGCTGAGGAGTTGTTCAGCCGCTCACTGGCTGAGAGTGAGCTTCGTAGCGCCCCTTATGAGTTCCCAG
AGGAAAGCCCCATCGAGCAGCTAGAAGAACGGAGGCAGCGGCTGGAGCGCCAGATCAGCCAGGATGTCAA
GCTGGAGCCAGATATTCTTCTTCGAGCCAAGCAAGATTTCCTGAAGACAGACAGCGACTCAGACTTACAG
CTGTACAAGGAGCAAGGAGAGGGACAGGGTGACAGGGGTCTTTGGGAACGTGATGTGGTATTGGAACGGG
AATTTCAGCGGGTCATCATCTCTGGGGAGGAGAAGTGTGGGGTGCCATTCACAGACCTCTTAGACGCAGC
CAAAAGTGTGGTTCGGGCACTTTTCATCCGGGAGAAGTACATGGCCCTATCACTGCAGAGCTTCTGTCCC
ACCACCCGCCGTTACCTGCAGCAGCTGGCTGAGAAGCCCCTGGAGACTCGAACTTATGAGCAGAGTCCTG
ATACCCCTGTATCTGCTGATGCCCCAGTGCATCCCCCTGCACTGGAGCAGCACCCGTATGAGCACTGTGA
GCCAAGCGCCATGCCTGGGGACCTGGGCTTGGGTCTGCGCATGGTGCGTGGTGTGGTGCACGTCTACACC
CGCAGGGACCCTGATGAGCACTGTCCGGAGGTGGAGCTTCCATACCCTGACCTACAGGAATTTGTAGCTG
ACGTCAATGTGCTGATGGCCCTGATCATCAATGGTCCCATAAAGTCATTCTGCTACCGCCGGCTGCAGTA
CCTGAGCTCCAAATTCCAGATGCACGTTTTGCTCAATGAGATGAAGGAGCTCGCTGCTCAGAAGAAAGTG
CCACACCGGGACTTCTACAATATCCGTAAGGTGGACACACACATCCACGCCTCGTCCTGCATGAACCAGA
AACATCTACTGCGCTTCATCAAGCGGGCCATGAAGCGGCACCTGGAGGAGATTGTGCATGTGGAACAGGG
CCGCGAGCAGACGCTGAGAGAAGTCTTCGAGAGCATGAACCTCACTGCCTACGACTTAAGTGTGGACACG
CTGGATGTGCATGCGGACAGGAATACCTTTCATCGATTTGACAAATTCAATGCCAAATACAACCCTATTG
GGGAGTCTGTTCTCCGAGAGATCTTCATTAAAACCGACAACAAGATTTCTGGGAAGTACTTTGCTCACAT
CATCAAGGAGGTGATGGCAGACTTGGAGGAGAGCAAATACCAGAATGCAGAGCTCCGGCTGTCCATCTAC
GGGCGTTCGAGGGATGAGTGGGACAAGCTGGCACGCTGGGCAGTGAACCACAAAGTGCACTCTCCCAATG
TCCGCTGGCTGGTGCAGGTGCCCCGCCTCTTCGATGTGTACCGCACCAAGGGCCAGCTGGCCAACTTCCA
AGAGATGCTGGAGAACATCTTTCTGCCCCTGTTTGAGGCTACTGTGCACCCTGCCAGCCACCCGGAGCTG
CACCTCTTTCTGGAGCACGTGGATGGTTTTGATAGCGTGGATGATGAGTCCAAGCCAGAGAACCACGTCT
TCAACCTGGAGAGTCCCCTCCCAGAAGCTTGGGTGGAGGAGGACAACCCTCCCTATGCCTACTACCTGTA
CTACACCTTCGCTAACATGGCTATGTTGAACCATCTGCGCAGGCAGAGAGGTTTCCACACGTTCGTGCTG
AGGCCGCACTGTGGGGAGGCCGGGCCCATCCACCACCTGGTATCAGCCTTCATGCTGGCCGAGAACATCT
CCCACGGGCTGCTCCTGCGCAAGGCCCCCGTCCTGCAGTACCTGTATTACCTGGCTCAGATCGGCATCGC
CATGTCCCCGCTCAGCAACAACAGCCTGTTCCTCAGCTACCACCGGAACCCTCTCCCTGAGTACTTGTCC
CGTGGCCTCATGGTCTCGCTGTCCACAGATGATCCCTTGCAGTTCCACTTCACCAAGGTCAGACCCAGGC
CAGCGGGCAGCCAAGGGCAGGAGCCCCTGATGGAGGAGTACAGCATCGCCACCCAGGTGTGGAAGCTCAG
CTCCTGCGATATGTGCGAGCTGGCCCGTAACAGCGTGCTCATGAGTGGCTTCTCTCACAAGGTGAAAAGC
CACTGGCTGGGACCCAACTATACCAAGGAGGGCCCTGAGGGCAATGATATCCGCCGTACCAACGTGCCAG
ACATCCGAGTGGGCTACCGCTATGAGACGCTATGCCAGGAGCTGGCACTTATCACACAGGCCGTCCAAAG
TGAGATGCTGGAGACCATCCCAGAGGAAGTGGGCATTGTCATGAGCCCAGGGCCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001289720

Insert Size: 2508 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:	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
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 (1) encodes the longer isoform (a).