

Product datasheet for **RN215227**

Ampd2 (NM_001101681) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ampd2 (NM_001101681) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ampd2
Synonyms:	Ampd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215227 representing NM_001101681
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCATCTATCTGGCCAGCAAGTCCAAGGCCAAATATCCCTTTAAGAAGCGGCCAGCCTGCAAG
 CTTCGCGTGCCGCTCCAGAAGCTCGAAGTGGTCTGGGGGCTCTCCACTGCACTGTCGCCGATCCCTGCC
 AGGCACCGCCCTGCCTTAAGCATTTCGCGCTCGACCTTCGCACGTCTATGGATGGCAAATGCAAGGAG
 ATCGCTGAGGAGTTGTTTCAGCCGCTCACTGGTGTAGAGTGTGCTCCGTAGCGCCCTTATGAGTCCCGG
 AGGAAAGCCCATCGAGCAGCTAGAGGAGCGGAGGCGGCTGGAGCGCCAGATCAGCCAGGATGTCAA
 GCTGGAGCCAGATATTCTGCTTCGGGCCAAGCAAGATTTCTGAAGACAGACAGTATTCCGACTTACAG
 CTGTACAAGGAGCAAGGAGAGGGACAGGGGACAGGGGTCTTTGGGAACGTGATGTGGTACTGGAACGGG
 AATTTTCAGCGGGTCATCATTTCGGGGAGGAGAAGTGTGGGTGCCATTCACAGACCTCTTAGATGCAGC
 CAAAAGTGTGGTTCGAGCACTGTTTCATCCGGGAGAAGTACATGGCCCTATCGCTGCAGAGCTTCTGTCCC
 ACCACCCGCCGTTACCTGCAGCAGCTGGCGGAAAAACCCCTGGAGACTCGAACCTATGAACAGAGTCTGT
 ATACCCCTGTGTCTGCCGATGCCCCAGTGCACCCCTGCGCTGGAACAGCACCCATATGAGCACTGTGA
 GCCAAGCACCATGCCTGGGGACCTGGGCTTGGGTCTGCGCATGGTACGTGGTGTGGTACATGTCTACACC
 CGCAGGGACCCCTGATGAGCACTGTCCAGAGGTGGAGCTTCCATACCCTGACCTACAGGAATTTGTAGCTG
 ATGTCAATGTGCTGATGGCCCTGATTATCAATGGTCCCATAAAGTCATTCTGCTACCGCCGGCTTCAGTA
 CCTGAGCTCCAAGTTCAGATGCACGTTTTGCTCAATGAGATGAAGGAGCTGGTCTCAGAAGAAAGTG
 CCACACCGGGACTTCTACAATATCCGTAAGGTGGACACACATCCATGCCTCGTCTGCATGAACCAGA
 AGCATCTGCTGCGCTTCATCAAGCGGGCGATGAAGCGGCATCTGGAGGAGATCGTGCATGTGGAGCAGGG
 CCGAGAGCAGACGCTGCGAGAAGTCTTCGAGAGCATGAACCTCACTGCCTACGACTTAAGTGTGGACAG
 CTGGATGTGCACGCGGACAGGAATACCTTTCATCGATTTGACAAATTCATGCCAAATACACCCTATTG
 GGGAGTCTGCTCCGAGAGATCTTCATAAAAACTGACAACAAGATTTCTGGGAAGTACTTTGCTCACAT
 CATCAAGGAGGTGATGTCAGACCTGGAGGAGAGCAAATACCAGAAATGCAGAGCTCCGGCTGTCCATCTAC
 GGGCGTTCGAGAGACGAGTGGGACAAGCTGGCCCGCTGGGCAGTGAACCACAGAGTGCACCTGCCCAATG
 TCCGCTGGCTGGTGCAGGTGCCCGCTCTTTGATGTATACCGCACCAAGGGCCAGCTGGCCAATTCCA
 AGAGATGCTGGAGAACATCTTCTGCCACTGTTTGAAGCTACTGTGCACCCTGCCAGCCACCCAGAGCTG
 CACCTCTTCTGGAGCATGTGGATGGTTTTGACAGTGTGGATGATGAGTCTAAGCCAGAGAACCATGTCT
 TCAACCTGGAAAGTCCCCCCCAGAAAGCTTGGGTGGAGGAGGATAACCCTCCCTATGCTACTACCTGTA
 TTACACCTTCGCTAACATGGCCATGCTGAACCATCTGCGCAGGCAGAGAGGTTTCCACACGTTTGTGCTG
 AGGCCCACTGTGGGGAGGCTGGGCCATCCACCACCTGGTATCAGCCTTCATGTGGCCGAGAACATCT
 CCCACGGGCTGCTTCTGCGAAAGGCCCTGTCTCAGTACCTGTATTACCTGGCTCAGATTGGCATTGC
 CATGTCCCCTCAGCAACAACAGCCTGTTCTCAGCTACCACCGGAACCCTCTACCTGAGTACTTGTCC
 CGTGGCCTCATGGTCTCGCTGTCCACGGATGACCCCTTGCACTTCCACTCACCAAGGAGCCCCTGATGG
 AGGAGTACAGCATCGCCACCCAGGTGTGGAAGCTCAGCTCCTGTGATATGTGTGAGCTGGCCGAAACAG
 TGTGCTCATGAGCGCTTCTCTACAAGGTGAAGAGCCACTGGCTGGGACCCAACTATACCAAGGAGGGC
 CCTGAGGGTAACGACATCCGCCGACCAATGTGCCGGACATCCGAGTAGGCTACCCTACGAGACCCCTGT
 GCCAGGAGCTGGCGTGTATCACACAGGCCGTCCAAAGTGAAGTGTGAGTGTGGAGACCATCCAGAGGAAGTGG
 CATTGTATGAGCCCTGGGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001101681
Insert Size: 2475 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:	<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:	NM_001101681.2 , NP_001095151.1
RefSeq Size:	3387 bp
RefSeq ORF:	2475 bp
Locus ID:	362015
UniProt ID:	Q02356
Cytogenetics:	2q34
Gene Summary:	catalyzes the conversion of AMP to IMP [RGD, Feb 2006]