

Product datasheet for **RN215209**

Ampd1 (NM_138876) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ampd1 (NM_138876) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ampd1
Synonyms:	Ampd01; RATAMPD01
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215209 representing NM_138876
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCTCTGTTCAAACCTACAGGTCAAGGAAAACAAATTGATGATGCAATGCGTAGCTTTGCTGAAAAAG
 TATTTGCCTCAGAAGTCAAAGATGAGGGAGGTCGGCACGAGATCTCCCCCTTCGACGTGGATGAGATCTG
 CCCAATTTCCCTTCGTGAGATGCAGGCCACATATTCCACATGGAGAACCTGTCCATGTCCATGGATGGC
 AGGAGGAAAAGGCGCTTCCAAGGACGGAAGACTGTTAATTTGTCCATTCCGCAAAGTGAACGTCTTCTA
 CCAAACGTCCCACATTGAAGAATTTATTTCTTCATCCCCGACCTATGAGAGTGTGCCTGACTTCCAGAG
 GGTGCAGATCACTGGTGACTATGCCTCTGGGTAAGTGTGAAGACTTTGAGGTGGTTTGTAAAGGTCTC
 TATCGGGCTTTGTGTATACGAGAGAAATACATGCAGAAGTCATCCAGAGTTCCCAAGACCCCTCCA
 AGTACCTGAGGAACATCGACGGCGAAGCTTTGGTAGCAATCGAAAGCTTCTATCCAGTATTTACCCCTCC
 TCCGAAGAAGGGAGAAGACCCCTTTCGAGAGAAGACCTTCCCGCAAACCTGGGCTATCACCTCAAGATG
 AAGGGTGGTGTGATTTACATCTACCCTGATGAAGCAGCAGCCAGCAGAGATGAGCCCAAGCCCTACCCTT
 ACCCAAATCTGGATGACTTCTGGATGACATGAATTTTTTGTCTTCTAATTGCACAAGGGCTGTGAA
 GACTTACACTCACCGCCGTCTGAAGTTCCTCTCCTCCAAGTTCAGGTCCATCAGATGCTGAATGAGATG
 GACGAGCTAAAGGAGCTGAAGAACAACCCACCCGGGACTTTTATAACTGCAGGAAGGTGGATACTCACA
 TCCACGCAGCTGCCTGCATGAACCAGAAGCACCTGCTGCGCTTTATTAAGAAATCTTACCATATTGATGC
 TGACAGAGTGGTCTACAGCACCAGAGAAGAACCTGACCCTGAAGGAACTTTTTGTCTCAATTAATATG
 CATCCATATGACCTGACTGTTGACTCTCTGGATGTTTATGCTGGACGGCAGACGTTCCAACGCTTCGATA
 AGTTCAATGACAAATACAATCCGGTGGTGCGAGTGAGCTTCGGGACCTTACCTAAAAACAGACAACCTA
 CATTAAACGGAGAGTATTTTGCCACTATCATCAAGGAGGTGGGTGCAGACCTGGTGGACGCCAAGTATCAG
 CATGCGGAGCCCCGCTTGTCCATCTACGGTGCAGTCCAGATGAGTGGAGCAAACCTCCTCTTGGTTTG
 TCGGCAACCGTATTTATTGCCCAACATGACATGGATGATCCAAGTCCCCAGGATCTATGATGTGTTCCG
 ATCCAAGAATTTCTGCCACACTTTGAAAAGATGCTGGAGAATATTTTCTTCCAGTGTGTTGAGGCCACC
 ATCAACCCCCAGACTCATCCAGACCTCAGTGTCTTCTCAAGCATATCACTGGCTTTGACAGTGTGGATG
 ATGAGTCCAAACACAGTGGTCCACATGTTTTCTCCAAGAGTCCCAAACCTGAGGAGTGGACAATGGAAAA
 CAACCCGTCTTACACATATTATGCCTACTACATGTATGCAAACATCATGGTGTCAACTGCCTGAGAAAG
 GAACGAGGCATGAATACATTTTTGTTTCGCCCCATTGTGGTGAAGCTGGGGCTCTCACTCACCTCATGA
 CAGCCTTTATGATAGCGGACAATATTTGCGACGGCCTGAACTTAAGAAGAGTCCCTGTGTTACAGTACCT
 ATTTTTCTTAGCCAGATCCCCATTGCAATGTCGCCATTGAGTAACAACAGCCTGTTCTCGAATATGCA
 AAAAACCTTTCTTAGATTTCTCCAGAAAGGCCTCATGATCTCGCTGTGACCGATGACCCGATGCAGT
 TCCATTTACCAAGGAGCCCTGATGGAAGAGTACGCCATCGCAGCCAGGTCTTCAAGCTGAGCACTTG
 TGACATGTGTGAGGTGGCAAGGAACAGTGTCTGCAGTGTGGAATTTCTCATGAGGAAAAAGCAAAGTTT
 CTGGGCAACAATTACCTGAGGAAGTCTGTTGGAAATGACATCCGAAGGACAAATGTGGCTCAGATTC
 GCATGGCCTATCGTTATGAACTTGGTGTATGAACTCAATTTGATTGCTGAGGGCCTTAAATCAACAGA
 ATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_138876
Insert Size: 2244 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_138876.1 , NP_620231.1
RefSeq Size:	2275 bp
RefSeq ORF:	2244 bp
Locus ID:	25028
UniProt ID:	P10759
Cytogenetics:	2q34
Gene Summary:	catalyzes the conversion of AMP to IMP in energy metabolism [RGD, Feb 2006]