

Product datasheet for **SC308159**

AMPD2 (NM_203404) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMPD2 (NM_203404) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMPD2
Synonyms:	PCH9; SPG63
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_203404, the custom clone sequence may differ by one or more nucleotides

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ATGCTGACCTTCCTCCCTCCCCCAGGAGCTGTTACCCGCTCACTGGCTGAGAGCGAG
CTCCGTAGTGCCCGTATGAGTTCCTCCCGAGGAGAGCCCATGAACAGCTGGAGGAGCGG
CGGCAGCGGTGGAGCGGCAGATCAGCCAGGATGTCAAGCTGGAGCCAGACATCTTGCTT
CGGGCAAGCAAGATTTCTGAAGACGGACAGTACTCGGACCTACAGCTCTACAAGGAA
CAGGGTGAGGGGCAGGGTGACCGGAGCCTGCGGGAGCGTGATGTGCTGGAACGGGAGTTT
CAGCGGGTCACCATCTCTGGGGAGGAGAAGTGTGGGGTGCCGTTACAGACCTGCTGGAT
GCAGCCAAGAGTGTGGTGCGGGCCTTTCATCCGGGAGAAGTACATGGCCCTGTCCCTG
CAGAGTCTGCCCCACCACCGCCGCTACCTGCAGCAGCTGGCTGAAAAGCCTCTGGAG
ACCCGGACCTATGAACAGGGCCCCGACACCCCTGTGTCTGCTGATGCCCCGGTGCACCC
CCTGCGCTGGAGCAGCACCCGTATGAGCACTGTGAGCCAAGCACCATGCCTGGGGACCTG
GGCTTGGGTCTGCGCATGGTGCGGGGTGTGGTGCACGCTACACCCGAGGGAACCCGAC
GAGCATTGCTCAGAGGTGGAGCTGCCATACCCTGACCTGCAGGAATTTGTGGCTGACGTC
AATGTGCTGATGGCCCTGATTATCAATGGCCCCATAAAGTCATTCTGCTACCGCCGGCTG
CAGTACCTGAGCTCCAAGTTCAGATGCATGTGCTACTCAATGAGATGAAGGAGCTGGCC
GCCAGAAGAAAGTGCCACACCGAGATTTCTACAACATCCGCAAGGTGGACACCCACATC
CATGCCTCGTCTGCATGAACAGAAGCATCTGCTGCGCTTCAAGCGGGCAATGAAG
CGGCACCTGGAGGAGATCGTGCACGTGGAGCAGGGCCGTGAACAGACGCTGCGGGAGGTC
TTTGAGAGCATGAATCTCACGGCCTACGACCTGAGTGTGGACACGCTGGATGTGCATGCG
GACAGGAACACTTTCCATCGCTTGGACAAGTTAATGCCAAATACAACCTATTGGGGAG
TCCGCTCTCCAGAGATCTTCAAGACGGACAACAGGGTATCTGGGAAGTACTTTGCT
CACATCAAGGAGGTGATGTACAGACTGGAGGAGAGCAAATACCAGAATGCAGAGCTG
CGGCTCTCCATTTACGGGCGCTCGAGGGATGAGTGGGACAAGCTGGCGCGCTGGGCGTC
ATGCACCGCTGCACTCCCCAAGTGCCTGGCTGGTGCAGGTGCCCGCCTTTTGAT
GTGTACCGTACCAAGGGCCAGCTGGCCAACTTCCAGGAGATGCTGGAGAACATCTTCTG
CCACTGTCGAGGCCACTGTGCACCCTGCCAGCCACCCGAACTGCATCTTCTTAGAG
CACGTGGATGGTTTTGACAGCGTGGATGATGAGTCCAAGCCTGAAAACCATGTCTTCAAC
CTGGAGAGCCCCCTGCCTGAGGCGTGGGTGGAGGAGGACAACCCACCTATGCCTACTAC
CTGTACTACACCTTTGCCAATGGCCATGTTGAACACCTGCGCAGGCAGAGGGGCTTC
CACAGTTTTGTGCTGAGGCCACACTGTGGGGAGGCTGGGCCATCCACCACCTGGTGTCA
GCCTTCATGCTGGCTGAGAACATTTCCACGGGCTCCTTCTGCGCAAGGCCCCCTGCTG
CAGTACCTGTACTACCTGGCCCAGATCGGCATCGCCATGTCTCCGCTCAGCAACAACAGC
CTCTTCTCAGCTATACCGGAATCCGCTACCGGAGTACCTGTCCCGCGGCCATGGTC
TCCCTGTCCACTGATGATCCCTTGCAGTTCACCTTACCAAGGAGCCGCTGATGGAGGAG
TACAGCATCGCCACCCAGGTGTGGAAGCTCAGCTCCTGCGATATGTGTGAGCTGGCCCGC
AACAGCGTGCTCATGAGCGGCTTCTCGCACAAGGTAAGAGCCACTGGCTGGGACCCAAC
TATACCAAGGAAGGCCCTGAGGGGAATGACATCCGCCGACCAATGTGCCAGACATCCGC
GTGGGCTACCGCTACGAGACCTGTGCCAGGAGCTGGCGCTCATCACGCAGGCAGTCCAG
AGTGAGATGCTGGAGACCATTCAGAGGAGGCGGTATCACCATGAGCCCAGGCGCTCAA
TGA
    
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Restriction Sites: Please inquire

ACCN: NM_203404

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_203404.1 , NP_981949.1
RefSeq Size:	3423 bp
RefSeq ORF:	2283 bp
Locus ID:	271
UniProt ID:	Q01433
Cytogenetics:	1p13.3
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Purine metabolism
Gene Summary:	<p>The protein encoded by this gene is important in purine metabolism by converting AMP to IMP. The encoded protein, which acts as a homotetramer, is one of three AMP deaminases found in mammals. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]</p> <p>Transcript Variant: This variant (3) lacks three alternate 5' exons compared to variant 1. The resulting isoform (3) has a shorter and distinct N-terminus compared to isoform 1.</p>