

## Product datasheet for **SC332533**

### AMPD2 (NM\_001257361) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AMPD2 (NM_001257361) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMPD2
Synonyms:	PCH9; SPG63
Vector:	pCMV6-Entry (PS100001)



[View online »](#)

**Fully Sequenced ORF:** >SC332533 representing NM\_001257361.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGATGGCAAATGCAAGGAGATCGCCGAGGAGCTGTTCAACCCGCTCACTGGCTGAGAGCGAGCTCCGT
AGTGCCCCGTATGAGTTCCCCGAGGAGAGCCCCATTGAACAGCTGGAGGAGCGGCCGAGCGGCTGGAG
CGGCAGATCAGCCAGGATGTCAAGCTGGAGCCAGACATCCTGCTCGGGCCAAGCAAGATTTCTGAAG
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GAGCGTGATGTGCTGGAACGGGAGTTTCAGCGGGTCACCATCTCTGGGGAGGAGAAGTGTGGGGTGCCG
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CCTCAATGA
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001257361

**Insert Size:** 2286 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:** [NM\\_001257361.1](#)

**RefSeq Size:** 3421 bp

**RefSeq ORF:** 2286 bp

**Locus ID:** 271

**UniProt ID:** [Q01433](#)

**Cytogenetics:** 1p13.3

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Purine metabolism

**MW:** 88.3 kDa

**Gene Summary:** 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]  
Transcript Variant: This variant (5) lacks two alternate 5' exons and contains another compared to variant 4. The resulting isoform (4) is shorter at the N-terminus compared to isoform 1.