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Product datasheet for SC328979

AMPD3 (NM_001172431) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMPD3 (NM_001172431) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMPD3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001172431, the custom clone sequence may differ by one or more nucleotides

ATGATCCGGGAGAAGTATGCGCGGCTCGCCTACCACCGCTTCCCGCGGATCACATCCCAG
TACCTGGGTCATCCGCGGGCGGATACTGCACCTCCGGAAGAGGGCCTTCCAGACTTCCAC
CCTCCTCCACTGCCCCAGGAAGACCCCTACTGCCTGGATGATGCACCCCCCAACCTGGAT
TACTTGGTCCACATGCAGGGGGGCATCCTCTTTGTGTATGATAACAAGAAGATGCTGGAG
CACCAGGAGCCGCACAGCCTACCCTACCCCGACCTGGAGACCTACACGGTGGACATGAGC
CACATCCTGGCTCTCATCACCGATGGCCCCACGAAAACCTATTGTCACCGGCGACTGAAC
TTTCTGGAATCCAAGTTCAGCCTTCATGAGATGTTAAACGAAATGTCCGAGTTCAAAGAG
TTGAAGAGTAACCCCCACCGGGACTTCTATAACGTGAGAAAGGTGGACACACACATCCAT
GCGGCCGCCTGCATGAACCAAAAGCATCTGCTGCGCTTCATCAAGCACACATACCAGACG
GAGCCTGACAGGACTGTGGCAGAGAAGCGGGGCCGGAAGATCACCCTGCGGCAGGTGTTT
GACGGCCTGCACATGGACCCCTACGACCTCACTGTGGACTCACTGGATGTCCACGCGGGC
CGGCAGACATTCCACCGCTTTGACAAGTTCAACTCCAAATACAACCCTGTGGGGGCCAGT
GAGCTGCGTGACCTGTATTTGAAAACTGAAAACTATCTGGGAGGAGAGTACTTTGCTCGG
ATGGTCAAGGAGGTTGCCCGGGAGCTGGAGGAGAGCAAGTACCAGTACTCAGAGCCACGG
CTCTCCATCTACGGCCGCAGTCCTGAGGAGTGGCCCAACCTGGCCTACTGGTTCATCCAG
CACAAGGTCTACTCTCCCAACATGCGCTGGATCATCCAGGTGCCCCGGATTTATGACATA
TTTAGGTCAAAGAAGCTGCTGCCAAACTTTGGGAAGATGCTGGAGAACATCTTCCTGCCC
CTTTTCAAGGCCACTATCAACCCCCAAGATCATCGAGAGCTTCACCTCTTCCTTAAATAT
GTGACGGGGTTTGACAGCGTGGATGATGAGTCCAAGCACAGCGACCACATGTTTTCCGAC
AAGAGCCCAAACCCGGACGTCTGGACCAGTGAGCAGAACCCACCCTACAGCTACTACCTG
TACTACATGTATGCCAACATCATGGTGCTCAACAACCTCCGCAGGGAGCGCGGCCTGAGC
ACGTTCCTGTTCCGGCCGCACTGTGGGGAAGCCGGCTCCATCACCCACCTGGTGTCTGCC
TTCCTCACTGCTGACAACATTTCCCACGGGCTGCTCCTCAAGAAGAGTCCGGTATTGCAG
TATCTCTACTACCTTGCTCAGATCCCCATTGCCATGTCTCCTCTTAGCAACAACAGTTTG
TTCCTCGAATATTCCAAGAACCCTCTGAGGGAATTCCTACACAAGGGACTGCATGTTTCT
CTTTCCACCGATGACCCCATGCAGTTCCACTACACGAAGGAAGCACTTATGGAAGAATAT
GCCATTGCAGCTCAAGTGTGGAAGCTGAGCACCTGCGACCTGTGTGAGATCGCCAGGAAC
AGCGTGCTGCAGAGCGGCCTCTCGCATCAGGAAAAGCAAAAGTTTCTGGGACAAAATTAT
TATAAAGAAGGACCTGAAGGAAATGATATTCGAAAGACAAATGTGGCTCAGATCCGGATG
GCATTCCGATATGAGACCTTATGCAATGAGCTCAGCTTCCTGTCTGATGCTATGAAATCA
GAAGAGATCACCGCCTTGACCAACTAG

Restriction Sites: Please inquire

ACCN: NM_001172431

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:	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_001172431.1, NP_001165902.1
RefSeq Size:	3994 bp
RefSeq ORF:	1827 bp
Locus ID:	272
UniProt ID:	Q01432
Cytogenetics:	11p15.4
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Purine metabolism
Gene Summary:	This gene encodes a member of the AMP deaminase gene family. The encoded protein is a highly regulated enzyme that catalyzes the hydrolytic deamination of adenosine monophosphate to inosine monophosphate, a branch point in the adenylate catabolic pathway. This gene encodes the erythrocyte (E) isoforms, whereas other family members encode isoforms that predominate in muscle (M) and liver (L) cells. Mutations in this gene lead to the clinically asymptomatic, autosomal recessive condition erythrocyte AMP deaminase deficiency. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (5) contains an alternate exon for its 5' UTR, lacks portions of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 4, which has a shorter N-terminus, compared to isoform 1A. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.