

Product datasheet for RC230341L3

OriGene Technologies, Inc.

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AMPD3 (NM_001172431) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: AMPD3 (NM_001172431) Human Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:AMPD3

Mammalian Cell Puromycin

Selection: Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

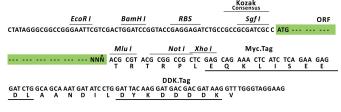
The ORF insert of this clone is exactly the same as(RC230341).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001172431

ORF Size: 2331 bp



AMPD3 (NM_001172431) Human Tagged Lenti ORF Clone - RC230341L3

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: <u>NM 001172431.1</u>, <u>NP 001165902.1</u>

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

MW: 89.7 kDa

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]