OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP701250

AMPD1 (NM_000036) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human adenosine monophosphate deaminase 1 (AMPD1), transcript variant 1, mutant□K320I□, 20ug
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC217919, encoding the full-length of AMPD1(K320I)
Tag:	C-Myc/DDK
Predicted MW:	86.5 kDa
Concentration:	>0.05 μg/μL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000027
Locus ID:	270
UniProt ID:	P23109
RefSeq Size:	2426
Cytogenetics:	1p13.2
RefSeq ORF:	2241
Synonyms:	MAD; MADA; MMDD

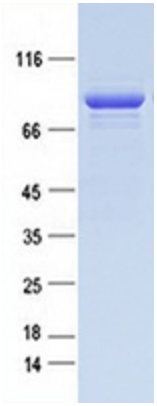
View online »

Summary: Adenosine monophosphate deaminase 1 catalyzes the deamination of AMP to IMP in skeletal muscle and plays an important role in the purine nucleotide cycle. Two other genes have been identified, AMPD2 and AMPD3, for the liver- and erythocyte-specific isoforms, respectively. Deficiency of the muscle-specific enzyme is apparently a common cause of exercise-induced myopathy and probably the most common cause of metabolic myopathy in the human. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene.[provided by RefSeq, Feb 2010]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Purine metabolism

Product images:



Coomassie blue staining of purified AMPD1 protein (Cat #TP701250). The protein was produced from mammalian cells transfected with AMPD1 cDNA clone (Cat #[RC217919]).