

Product datasheet for **TP317919**

AMPD1 (NM_000036) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human adenosine monophosphate deaminase 1 (isoform M) (AMPD1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217919 representing NM_000036 Red =Cloning site Green =Tags(s)

MPLFKLPAEEKQIDDAMRNFAEKVFASEVKDEGGRQEISPFVDVEICPISHHEMQAHIFHLETLSTSTEA
RRKKRFQGRKTVNLSIPLSETSSTKLSHIDEYISSSPTYQTVPDFQRVQITGDYASGVTVEDFEIVCKGL
YRALCIREKYMQKSFQRFPKTPSKYLRNIDGEAWVANESFYPVFTPPVKKGEDPFRDNLNLPENLGHYHLKM
KDGWVYVYPNEAAVSKDEPKPLPYPNLDLFLDDMNFLALIAQGPVKTYTHRRLLKFLSSKFQVHQMLNEM
DELKELINNPFRDFYNCRKVDTHIHAAACMNQKHLLRFIKKSYQIDADRVVYSTKEKNLTLKELFAKLM
HPYDLTVDSLVDHAGRQTFQRFDKFNPKYNPVGASELRDLYLKTNDYINGEYFATIIKEVGADLVEAKYQ
HAEPRLSIYGRSPDEWSKLSSWFVCNRIHCPNMTWMIQVPRIYDVFRRSKNFLPHFGKMLENIFMPVFEAT
INPQADPELSVFLKHITGFDSVDDDESKHSGHMFSSKSPKPQEWTLKKNPSYTYAYMYANIMVLNLSLRK
ERGMNTFLFRPHCGEAGALTHLMTAFMIADDISHGLNLKSPVLQYLFFLAQIPIAMSPLSNNSLFLEYA
KNPFLDFLQGLMISLSTDDPMQFHFTKEPLMEEYAIAAQVFKLSTCDMCEVARNVSLQCGISHEEKVKF
LGDNYLEEGPAGNDIRRTNVAQIRMAYRYETWCYELNLIAEGLKSTE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

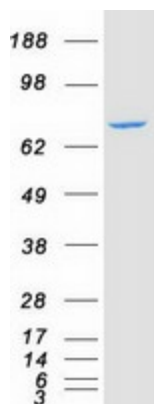
Tag:	C-Myc/DDK
Predicted MW:	90 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product 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
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 erythrocyte-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# TP317919). The protein was produced from HEK293T cells transfected with AMPD1 cDNA clone (Cat# [RC217919]) using MegaTran 2.0 (Cat# [TT210002]).