

## Product datasheet for **TP324327M**

### AMPD3 (NM\_001025390) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human adenosine monophosphate deaminase (isoform E) (AMPD3), transcript variant 3, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224327 representing NM_001025390 Red=Cloning site Green=Tags(s)

MEPGSAEMPRQFPKLNISEVDEQVRLLAEKVFAKVLREEDSKDALSLFTVPEDCPIGQKEAKERELQKEL  
AEQKSVETAKRKKSFKMIRSQSLSLQMPPQQDWKGPAAASPAMSPPTPVVTGATSLPTPAPYAMPEFQRV  
TISGDYACITLEDYEQAASLAKALMIREKYARLAYHRFPRITSQYLGHPRADTAPPEEGLPDFHPPPL  
PQEDPYCLDDAPPNLDYLVHMQGGILFVYDNKKMLEHQEPHSLPYPDLETYTVDMSHILALITDGPTKY  
CHRRLNFLFSKFSLHEMLNEMSEFKELKSNPHRDFYNVRKVDTHIHAAACMNQKHLRFFIKHTYQTEPDR  
TVAEKRGRKITLRQVFDGLHMDPYDLTVDSLVDHAGRQTFHRFDKFNSKYNPVGASELRDLYLKTENYLG  
GEYFARMVKEVARELEESKYQYSEPRLSIYGRSPEEWPNLAYWFIQHKVYSPNMRWIIQVPRIIDIFRSK  
KLLPNFGKMLENIFLPLFKATINPQDHRELHLFLKYVTGFDSVDDDESKHSDHMFSDKSPNPDVWTSEQNP  
PYSYYLYMYANIMVLNNLRRERGLSTFLFRPHCGEAGSITHLVSAFLTADNISHGLLLKKSPLVLYLY  
LAQIPIAMSPNSLFLFLEYSKNPLREFLHKGLHVSLSTDDPMQFHYTEALMEEYIAAAQVWKLSTCDL  
CEIARNSVLQSGLSHQEKQKFLGQNYKKEGPEGNDIRKTNVAQIRMAFRYETLCNELSFLSDAMKSEEIT  
ALTN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	89.3 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.



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**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**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\\_001020561](#)

**Locus ID:** 272

**UniProt ID:** [Q01432](#), [B7Z2S2](#)

**RefSeq Size:** 4473

**Cytogenetics:** 11p15.4

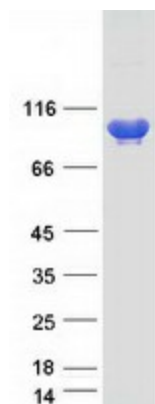
**RefSeq ORF:** 2322

**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]

**Protein Families:** Druggable Genome

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

### Product images:



Coomassie blue staining of purified AMPD3 protein (Cat# [TP324327]). The protein was produced from HEK293T cells transfected with AMPD3 cDNA clone (Cat# [RC224327]) using MegaTran 2.0 (Cat# [TT210002]).