

Product datasheet for TP324327

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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224327 representing NM_001025390 Red=Cloning site Green=Tags(s)

MEPGSAEMPRQFPKLNISEVDEQVRLLAEKVFAKVLREEDSKDALSFLTVPEDCPIGQKEAKERELQKEL
AEQKSVETAKRKKSFKMIRSQSLSLQMPPQQDWKGPPAASPAMSPPTPVVTGATSLPTPAPYAMPEFQRV
TISGDYCAGITLEDYEQAASKLAKALMIREKYARLAYHRFPRITSQYLGHPRADTAPPEEGLPDFHPPPL
PQEDPYCLDDAPPNLDYLVHMQGGILFVYDNKKMLEHQEPHSLPYPDLETYTVDMSHILALITDGPTKY
CHRRLNFLFSKFSLHEMLNEMSEFKELKSNPHRDFYNVRKVDTHIHAAACMNQKHLRFIKHTYQTEPDR
TVAEKRGRKITLRQVFDGLHMDPYDLTVDSLVDHAGRQTFHRFDKFNSKYNPVGASELRDLYLK TENYLG
GEYFARMVKEVARELEESKYQYSEPRLSIYGRSPEEWPNLAYWFIQHKVYSPNMRWIIQVPRIIDIFRSK
KLLPNFGKMLENIFLPLFKATINPQDHRELHLFLKYVTGFDSVDDSKHSDHMFSDKSPNPDVWTSEQNP
PYSYYLYMYANIMVLNNLRERGLSTFLFRPHCGEAGSITHLVSAFLTADNISHGLLLKSPVLQYLYY
LAQIPIAMSPLSNNSLFLEYSKNPLREFLHKGLHVSLSTDDPMQFHYTEALMEEYAIAAQVWKLSTCDL
CEIARNSVLQSGLSHQEKQKFLGQNYKPEGNDIRKTNVAQIRMAFRYETLCNELSFLSDAMKSEEIT
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

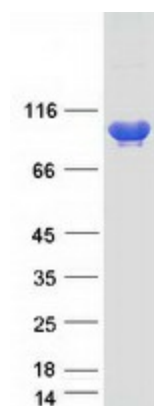
RefSeq ORF: 2322

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]).