

## Product datasheet for TP312077L

### AMPD3 (NM\_000480) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human adenosine monophosphate deaminase (isoform E) (AMPD3), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212077 representing NM_000480 Red=Cloning site Green=Tags(s)

MALSSEPAEMPRQFPKLNISEVDEQVRLLAEKVFAKVLREEDSKDALSFLTVPEDCPIGQKEAKERELQK  
ELAEQKSVETAKRKKSKFMIRSQLSLQMPQQDQWKGPPAASPAMSTTPVWTGATSLPTPAPYAMPEFQ  
RVTISGDYACAGITLEDYEQAASLAKALMIREKYARLAYHRFPRITSQYLGHPRADTAPPEEGLPDFHPP  
PLPQEDPYCLDDAPPNLDYLVHMQGGLFVYDNNKMLEHQEPHSLPYPDLETYTVDMSHILALITDGPTK  
TYCHRRNLNLFLESKFSLHEMLNEMSEFKELKSNPHRDFYNVRKVDTHIHAAACMNQKHLRFIKHTYQTEP  
DRTVAEKGRKITLRQVFDGLHMDPYDLTVDSLVDHAGRQTFHRFDKFNKSNPVGASELRDLYLKTENY  
LGGEYFARMVKEVARELEESKYQYSEPRLSIYGRSPEEWPNLAYWFIQHKVYSPNMRWIIQVPRIIDIFR  
SKKLLPNFGKMLENIFLPLFKATINPQDHRELHLFLKYVTGFDSVDDDESKHSDHMFSDKSPNPDWTSEQ  
NPPYSYYLYMYANIMVLNLRERGLSTFLFRPHCGEAGSITHLVSAFLTADNISHGLLLKKSPVLQYL  
YYLAQIPIAMSPNSLFLFLEYSKNPLREFLHKGLHVSSTDDPMQFHYTEALMEEYIAAQVWKLSTC  
DLCEIARNSVLQSGLSHQEKQKFLGQNYKEGPEGNDIRKTNVAQIRMAFRYETLCNELSFLSDAMKSEE  
ITALTN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	89.5 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.



[View online »](#)

**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\\_000471](#)

**Locus ID:** 272

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

**RefSeq Size:** 4371

**Cytogenetics:** 11p15.4

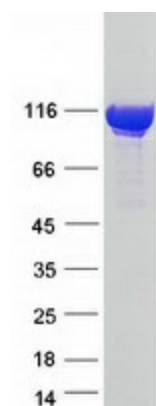
**RefSeq ORF:** 2328

**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# [TP312077]). The protein was produced from HEK293T cells transfected with AMPD3 cDNA clone (Cat# [RC212077]) using MegaTran 2.0 (Cat# [TT210002]).