

Product datasheet for PH312077

AMPD3 (NM_000480) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AMPD3 MS Standard C13 and N15-labeled recombinant protein (NP_000471)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212077
Predicted MW:	89.5 kDa
Protein Sequence:	>RC212077 representing NM_000480 Red=Cloning site Green=Tags(s)

MALSSEPAEMPRQFPKLNISEVDEQVRLLAEKVFAKVLREEDSKDALSLFTVPEDCPIGQKEAKERELQK
ELAEQKSVETAKRKSFKMIRSQSLQMPQQDWKGPPAASPAMSPPTTPVVTGATSLPTPAPYAMPEFQ
RVTISGDYACAGITLEDYEQAASLAKALMIREKYARLAYHRFPRTSQYLGHPRADTAPPEEGLPDFHPP
PLPQEDPYCLDDAPPNDYLVHMGGGILFVYDNKKMLEHQEPHSLPYPDLETYTVDMSHILALITDGPTK
TYCHRRNLNFKSLFSLHEMLNEMSEFKELKSNPHRDFYNVRKVDTHIAAACMNQKHLRFIKHTYQTEP
DRTVAEKRGRKITLRQVFDGLHMDPYDLTVDSLVDVHAGRQTFHRFDKFNKYNPVGASELRDLYLKTENY
LGGEYFARMVKEVARELEESKYQYSEPRLSIYGRSPEEWPNLAYWFIQHKVYSPNMRWIIQVPRIYDIFR
SKKLLPNFGKMLENIFLPLFKATINPQDHRELHLFLKYVTGFDSVDDSKHSDHMFSDKSPNPDVWTSEQ
NPPYSYLYMYANIMVLNLRERGLSTFLFRPHCGEAGSITHLYSAFLTADNISHGLLLKSPVLQYL
YYLAQIPIAMSPLSNNSLFLEYSKNPLREFLHKGLHVSLSTDDPMQFHYTKEALMEEYIAAQVWKLSTC
DLCEIARNSVLQSGLSHQEKQKFLGQNYKEGPEGNDIRKTNVAQIRMAFRYETLCNELSFLSDAMKSEE
ITALTN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000471



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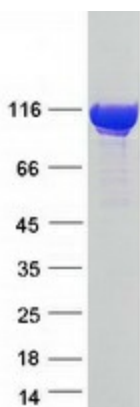
RefSeq Size: 4371
RefSeq ORF: 2328
Locus ID: 272
UniProt ID: [Q01432](#), [B7Z2S2](#)
Cytogenetics: 11p15.4

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]).