

Recombinant Human AMPD3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AMPD3-1946H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AMPD3 MS Standard C13 and N15-labeled recombinant protein (NP_000471) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	89.5 kDa
AA Sequence	MALSSEPAEMPRQFPKLNISEVDEQVRLAELKVFVKVLRREEDSKDALSLFTVPEDCPI GQKEAKERELQKELAEQKSVETAKRKKSFKMIRSQSLSLQMPPQQDWKGPPAASP AMSPTTPVVTGATSLPTPAPYAMPEFQRTVISGDYCAGITLEDYEQAASLAKALMIR EKYARLAYHRFPRTSQYLGHPRADTAPPEEGLPDFHPPPLPQEDPYCLDDAPPNLD YLVHMQGGILFVYDNKKMLEHQEPHSLPYPDLETYTVDMSHILALITDGPTKTYCHR

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RLNFLESKFSLHEMLNEMSEFKELKSNPHRDFYNVRKVDTHIHAAACMNQKHLLRFI
KHTYQTEPDRTVAEKRGKITLRQVFDGLHMDPYDLTVDSLVDHAGRQTFHRFDKF
NSKYNPVGASELRDLYLK TENYLGGEYFARMVKEVARELEESKYQYSEPRLSIYGR
SPEEWP NLAYWFIQHKVYSPNMRWIIQVPRIYDIFRSKLLPNFGKMLENIFLPLFKAT
INPQDHRELHLFLKYVTGFDSVDDSKHSDHMFSDKSPNPDVWTSEQNPPYSYYLY
YMYANIMVLNNLRERGLSTFLFRPHCGEAGSITHLVSAFLTADNISHGLLLKKSPVL
QYLYYLAQIPIAMSPLSNNSLFLEYSKNPLREFLHKGLHVSLSTDDPMQFHYTEALM
EEYAIAAQVWKLSTCDLCEIARNSVLQSGLSHQEKQKFLGQNYEKEGPEGNDIRKTN
VAQIRMAFRYETLCNELSFLSDAMKSEEITALTNTRTRPLEQKLISEEDLAANDILDYK
DDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name AMPD3 adenosine monophosphate deaminase 3 [Homo sapiens (human)]

Official Symbol AMPD3

Synonyms AMPD3; adenosine monophosphate deaminase 3; AMP deaminase 3; AMP aminohydrolase; adenosine monophosphate deaminase (isoform E); erythrocyte AMP deaminase; erythrocyte type AMP deaminase; erythrocyte-specific AMP deaminase;

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myoadenylate deaminase; EC 3.5.4.6

Gene ID [272](#)

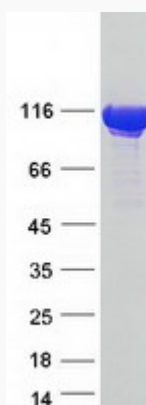
mRNA Refseq [NM_000480](#)

Protein Refseq [NP_000471](#)

MIM [102772](#)

UniProt ID [Q01432](#)

SDS-PAGE



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