

Recombinant Human AMPD3 Protein, His-tagged

Cat. No. AMPD3-145H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AMPD3 Protein (Asn552-Asn767) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asn552-Asn767
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.5 kDa Accurate Molecular Mass: 26 kDa
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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; myoadenylate deaminase; EC 3.5.4.6
Gene ID	272
mRNA Refseq	NM_000480
Protein Refseq	NP_000471

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MIM	102772
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UniProt ID	Q01432
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