

Recombinant Human AMPD3, GST-tagged

Cat. No. AMPD3-118H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AMPD3 partial ORF (2 a.a. - 82 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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	34.65 kDa
AA Sequence	ALSSEPAEMPRQFPKLNISEVDEQVRLLEAKVFAKVLREEDSKDALSLFTVPEDCPIG QKEAKERELQKELAEQK SVETAK
Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; myoadenylate deaminase; erythrocyte AMP deaminase; erythrocyte type AMP deaminase; erythrocyte-specific AMP deaminase; adenosine monophosphate deaminase (isoform E); EC 3.5.4.6

Gene ID [272](#)

mRNA Refseq [NM_000480](#)

Protein Refseq [NP_000471](#)

MIM [102772](#)

UniProt ID Q01432

Chromosome Location 11p15

Pathway Metabolism; Purine metabolism; Purine salvage

Function AMP deaminase activity; metal ion binding

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