Recombinant Full Length Human AMPD3 Protein, C-Flag-tagged

Cat. No. AMPD3-1500HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human AMPD3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	89.5 kDa
AA Sequence	MALSSEPAEMPRQFPKLNISEVDEQVRLLAEKVFAKVLREEDSKDALSLFTVPEDCPI GQKEAKERELQK ELAEQKSVETAKRKKSFKMIRSQSLSLQMPPQQDWKGPPAASP AMSPTTPVVTGATSLPTPAPYAMPEFQ RVTISGDYCAGITLEDYEQAAKSLAKALMI REKYARLAYHRFPRITSQYLGHPRADTAPPEEGLPDFHPP PLPQEDPYCLDDAPPN

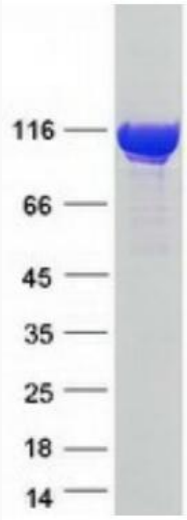
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	LDYLVHMQGGILFVYDNKKMLEHQEPHSLPYPDLETYTVDMSHILALITDGPTK TYC HRRLNFLESKFSLHEMLNEMSEFKELKSNPHRDFYNVRKVDTHIHAAACMNQKHLL RFIKHTYQTEP DRTVAEKRGRKITLRQVFDGLHMDPYDLTVDSLDVHAGRQTFHRF DKFNSKYNPVGASELRDLYLKTENY LGGEYFARMVKEVARELEESKYQYSEPRLSI YGRSPEEWPNLAYWFIQHKVYSPNMRWIIQVPRIYDIFR SKKLLPNFGKMLENIFLPL FKATINPQDHRELHLFLKYVTGFDSVDDESKHSDHMFSDKSPNPDVWTSEQ NPPY SYYLYYMYANIMVLNNLRRERGLSTFLFRPHCGEAGSITHLVSAFLTADNISHGLLLK KSPVLQYL YYLAQIPIAMSPLSNNSLFLEYSKNPLREFLHKGLHVSLSTDDPMQFHY TKEALMEEYAIAAQVWKLSTC DLCEIARNSVLQSGLSHQEKQKFLGQNYYKEGPEG NDIRKTNVAQIRMAFRYETLCNELSFLSDAMKSEEITALTN
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways, Purine metabolism
Full Length	Full L.

GENE INFORMATION

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	AMPD3 adenosine monophosphate deaminase 3 [Homo sapiens (human)]
Official Symbol	AMPD3
Synonyms	adenosine monophosphate deaminase (isoform E); adenosine monophosphate deaminase 3; AMP aminohydrolase; AMP deaminase 3; erythrocyte-specific AMP deaminase; erythrocyte type AMP deaminase; myoadenylate deaminase
Gene ID	272
mRNA Refseq	NM_000480.3
Protein Refseq	NP_000471.1
MIM	102772
UniProt ID	Q01432



Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Coomassie blue staining of purified AMPD3 protein.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA