

Recombinant Human adenosine monophosphate deaminase 2, His-tagged

Cat. No. AMPD2-652H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AMPD2, 236-879aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	236-879 a.a.
Description	AMPD2 is important in purine metabolism by converting AMP to IMP. This protein, which acts as a homotetramer, is one of three AMP deaminases found in mammals. Several transcript variants encoding different isoforms have been found for this gene. Recombinant human AMPD2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In Phosphate buffered saline (pH7.4) containing 10% glycerol
Molecular Mass	77.0kDa (667aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSDLLDAAK SVVRALFIRE KYMALSLQSF CPTTRRYLQQ LAEKPLETRT YEQGPDPVPS ADAPVHPPAL EQHPYEHCEP STMPGDLGLG LRMVRGVVHV YTRREPDEHC SEVELPYPDL QEFVADVNVL MALIINGPIK SFCYRRLQYL SSKFQMHVLL NEMKELAAQK KVPHRDFYNI RKVDTHIHAS SCMNQKHLLR FIKRAMKRHL EEIVHVEQGR EQTLREVFES MNLTA YDLSV DTL DVHADRN TFHRFDKFNA KYNPIGESVL REIFIKTDNR

 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

VSGKYFAHII KEVMSDLEES KYQNAELRLS IYGRSRDEWD KLARWAVMHR
 VHSPNVRWL V QVPRLFDVYR TKGQLANFQE MLENIFLPLF EATVHPASHP
 ELHLFLEHVD GFDSVDDESK PENHVFNLES PLPEAWVEED NPPYAYYLYY
 TFANMAMLNH LRRQRGFHTF VLRPHCGEAG PIHHLVSAFM LAENISHGLL
 LRKAPVLQYL YYLAQIGIAM SPLSNNSLFL SYHRNPLPEY LSRGLMVSL
 TDDPLQFHFT KEPLMEEYSI ATQVWKLSSC DMCELARNSV LMSGFSHKVK
 SHWLGPNYTK EGPEGNDIRRN TNVPDIRVGY RYETLCQELA LITQAVQSEM
 LETIPEEAGI TMSPGPQ

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [AMPD2 adenosine monophosphate deaminase 2 \[Homo sapiens \]](#)

Official Symbol AMPD2

Synonyms AMPD2; adenosine monophosphate deaminase 2; adenosine monophosphate deaminase 2 (isoform L); AMP deaminase 2; AMPD isoform L; AMPD;

Gene ID [271](#)

mRNA Refseq [NM_001257360](#)

Protein Refseq [NP_001244289](#)

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MIM	102771
UniProt ID	Q01433
Chromosome Location	1p13.3
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Purine salvage, organism-specific biosystem;
Function	AMP deaminase activity; hydrolase activity; metal ion binding;

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