

Recombinant human AMPD2 protein

Catalog Number: ATGP2875

PRODUCT INFORMATION

Expression system

E.coli

Domain

236-879aa

UniProt No.

Q01433

NCBI Accession No.

NP_004028.3

Alternative Names

AMP deaminase 2, adenosine monophosphate deaminase 2

PRODUCT SPECIFICATION

Molecular Weight

77 kDa (667aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>DLLDAAK SVVRALFIRE KYMALSLQSF CPTTRRYLQQ LAEKPLETRT

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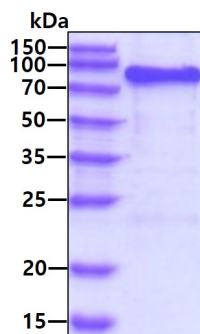
YEQGPDTPVS ADAPVHPPAL EQHPYEHCEP STMPGDLGLG LRMVRGVVHV YTRREPDEHC SEVELPYPDL QEFVADVNVL
MALIINGPIK SFCYRRLQYL SSKFQMHVLL NEMKELAAQK KVPHRDFYNI RKVDTHIHAS SCMNQKHLLR FIKRAMKRHL
EEIVHVEQGR EQTLREVFES MNLTAYDLSV DTLDVHADRN TFHRFDKFNA KYNPIGESVL REIFIKTNR VSGKYFAHII
KEVMSDLEES KYQNAELRLS IYGRSRDEWD KLARWAVMHR VHSPNVRWL VQVPRLFDVYR TKGQLANFQE MLENIFLPLF
EATVHPASHP ELHLFLEHVD GFDSVDDESK PENHVFNL ES PLPEAWVEED NPPYAYYLYY TFANMAMLNH LRRQGFHTF
VLRPHCGEAG PIHHLVSAFM LAENISHGLL LRKAPVLQYL YYLAQIGIAM SPLSNNSLFL SYHRNPLPEY LSRGLMVSL
TDDPLQFHFT KEPLMEEYSI ATQVWKLSSC DMCELARNSV LMSGFSHKVK SHWLGPNTYK EGPEGNDIRN TNVPDIRVGY
RYETLCQELA LITQAVQSEM LETIPEEAGI TMSPGPQ

General References

Burkard T.R. et al. (2011) BMC Syst. Biol. 5:17-17.
Rigbolt K.T. et al. (2011) Sci. Signal. 4:RS3-RS3.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain