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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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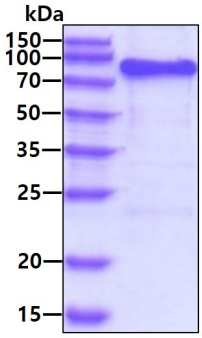
YEQGPDTPVS ADAPVHPPAL EQHPYEHCEP STMPGDLGLG LRMVRGVVHV YTRREPDEHC SEVELPYPDL QEFVADVNVL MALIINGPIK SFCYRRLQYL SSKFQMHVLL NEMKELAAQK KVPHRDFYNI RKVDTHIHAS SCMNQKHLLR FIKRAMKRHL EEIVHVEQGR EQTLREVFES MNLTAYDLSV DTLDVHADRN TFHRFDKFNA KYNPIGESVL REIFIKTDNR VSGKYFAHII KEVMSDLEES KYQNAELRLS IYGRSRDEWD KLARWAVMHR VHSPNVRWLV QVPRLFDVYR TKGQLANFQE MLENIFLPLF EATVHPASHP ELHLFLEHVD GFDSVDDESK PENHVFNLES PLPEAWVEED NPPYAYYLYY TFANMAMLNH LRRQRGFHTF VLRPHCGEAG PIHHLVSAFM LAENISHGLL LRKAPVLQYL YYLAQIGIAM SPLSNNSLFL SYHRNPLPEY LSRGLMVSLS TDDPLQFHFT KEPLMEEYSI ATQVWKLSSC DMCELARNSV LMSGFSHKVK SHWLGPNYTK EGPEGNDIRR 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