
Product Data Sheet

Product Name: AMPD2 Human

Cat. No.: GP21402

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms (Isoform L); EC 3.5.4.6; SPG63; AMP Deaminase Isoform L; AMP Deaminase 2; AMPD Isoform L; AMPD; PCH9; AMP deaminase 2.

MGSSHHHHHH SGLVPRGSH MGSDLLDAK SVVRALFIRE KYMALSLQSF
 CPTTRRYLQQ LAEKPLETRT YEQGPDTPVSADAPVHPPAL EQHPYEHCEP
 STMPGDLGLG LRMVRGVVHV YTRREPDEHC SEVELPYPDL
 QEFVADVNVLMALIINGPIK SFCYRRLQYL SSKFQMHVLLNEMKELAAQK
 KVPHRDFYNI RKVDTHIHAS SCMNQKHLLR FIKRAMKRHLEEIVHVEQGR
 EQTLREVFES MNLTA YDLSV DTLDVHADRN TFHRFDKFNA KYNPIGESVL
 REIFIKTDNRVSGKYFAHII KEVMSDLEES KYQNAELRLS IYGRSRDEWD
 Amino Acid Sequence KLARWAVMHR VHSPNVRWL VQVPRLFDVYR TKGQLANFQE MLENIFLPLF
 EATVHPASHP ELHLFLEHVDGFDSVDDESK PENHVFNLES PLPEAWVEED
 NPPYAYLYY TFANMAMLNH LRRQRGFHTF VLRPHCGEAGPIHHLVSAFM
 LAENISHGLL LRKAPVLQYL YYLAQIGIAM SPLSNNSLFL
 SYHRNPLPEYLSRGLMVSL S TDDPLQFHFT KEPLMEEYSI ATQVWKLSSC
 DMCELARNSVLM SFGFSHKVK SHWLGPNYTK EGPEGNDIRR TNVPDIRVGY
 RYETLCQELA LITQAVQSEM LETIPEEAGITMSPGPQ.

Formulation AMPD2 protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4) and 10% glycerol.

Introduction

AMPD2 is significant in purine metabolism by converting AMP to IMP. AMPD2 which functions as a homotetramer, is one of the three AMP deaminases shown in mammals. More than a few transcript variants encoding different isoforms have been discovered for AMPD2.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

AMPD2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 667 amino acids (236-879 a.a) and having a molecular mass of 77.0kDa. AMPD2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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