Recombinant Human AMP deaminase 1 (AMPD1)

Product Code	CSB-EP001680HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P23109
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MNVRIFYSVS QSPHSLLSLL FYCAILESRI SATMPLFKLP AEEKQIDDAM RNFAEKVFAS EVKDEGGRQE ISPFDVDEIC PISHHEMQAH IFHLETLSTS TEARRKKRFQ GRKTVNLSIP LSETSSTKLS HIDEYISSSP TYQTVPDFQR VQITGDYASG VTVEDFEIVC KGLYRALCIR EKYMQKSFQR FPKTPSKYLR NIDGEAWVAN ESFYPVFTPP VKKGEDPFRT DNLPENLGYH LKMKDGVVYV YPNEAAVSKD EPKPLPYPNL DTFLDDMNFL LALIAQGPVK TYTHRRLKFL SSKFQVHQML NEMDELKELK NNPHRDFYNC RKVDTHIHAA ACMNQKHLLR FIKKSYQIDA DRVVYSTKEK NLTLKELFAK LKMHPYDLTV DSLDVHAGRQ TFQRFDKFND KYNPVGASEL RDLYLKTDNY INGEYFATII KEVGADLVEA KYQHAEPRLS IYGRSPDEWS KLSSWFVCNR IHCPNMTWMI QVPRIYDVFR SKNFLPHFGK MLENIFMPVF EATINPQADP ELSVFLKHIT GFDSVDDESK HSGHMFSSKS PKPQEWTLEK NPSYTYYAYY MYANIMVLNS LRKERGMNTF LFRPHCGEAG ALTHLMTAFM IADDISHGLN LKKSPVLQYL FFLAQIPIAM SPLSNNSLFL EYAKNPFLDF LQKGLMISLS TDDPMQFHFT KEPLMEEYAI AAQVFKLSTC DMCEVARNSV LQCGISHEEK VKFLGDNYLE EGPAGNDIRR TNVAQIRMAY RYETWCYELN LIAEGLKSTE
Source	E.coli
Target Names	AMPD1
Protein Names	Recommended name: AMP deaminase 1 EC= 3.5.4.6 Alternative name(s): AMP deaminase isoform M Myoadenylate deaminase
Expression Region	1-780
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	Adenosine monophosphate deaminase 1 catalyzes the deamination of AMP to IMP in skeletal muscle and plays an important role in the purine nucleotide cycle. Two other genes have been identified, AMPD2 and AMPD3, for the liver- and erythocyte-specific isoforms, respectively. Deficiency of the muscle-specific enzyme is apparently a common cause of exercise-induced myopathy and probably the most common cause of metabolic myopathy in the human.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a

	concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.