

Product information

AHCY, 1-432 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0606

Full name: Adenosylhomocysteinase

NCBI Accession No.: NP_000678

Synonyms: SAHH

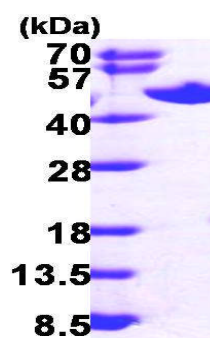
Description: AHCY, also known as adenosylhomocysteinase, is an enzyme that catalyzes the reversible hydrolysis of S-adenosylhomocysteine (AdoHcy) to adenosine (Ado) and L-homocysteine (Hcy). It regulates the intracellular S-adenosylhomocysteine (SAH) concentration thought to be important for transmethylation reactions. Deficiency in this protein is one of the different causes of hypermethioninemia. Recombinant human AHCY protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

Molecular Weight: 49.8 kDa (452aa) confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 1.0 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MSDKLPYKVA DIGLAAWGRK ALDIAENEMP GLMRMRERYS ASKPLKGARI AGCLHMTVET AVL IETLVTL
 GAEVQWSSCN IFSTQDHAAA AIAKAGIPVY AWKGETDEEY LWCIEQTLFY KDGPLNMILD DGGDLTNLIH TKYPQLLPGI RGI SEETTTG
 VHNLYKMMAN GILKVPAINV NDSVTKSKFD NLYGCRESLI DGIKRATDVM IAGKVAVVAG YGDVGKGCAQ ALRGFGARVI ITEIDPINAL
 QAAMEGYEVT TMDEACQEGN IFVTTTGCID IILGRHFEQM KDDAIVCNIG HFDVEIDVKW LNENAVEKVN IKPQVDYRRL KNGRRI ILLA
 EGRLVNLGCA MGHPSFVMSN SFTNQVMAQI ELWTHPKYP VGVHFLPKKL DEAVAEHLG KLVNKLTKLT EKQAQYLGMS CDGPFKPDHY
 RY

General references:

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Hershfield MS, *et al.* (1978) *Science* 202(4369):757-60

Gellekink H, *et al.* (2004) *Eur J Hum Genet.* 12(11):942-8.

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

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.