

Active Recombinant Human AHCY Protein, 1-432aa, N-His tagged

Cat. No. AHCY-727H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant human AHCY protein (1-432aa), fused to His-tag at N-terminus, was expressed in *E. coli*, and purified by using proprietary chromatography techniques. This enzyme is validated for AHCY activity application.

Species Human

Source *E. coli*

ProteinLength 1-432aa

Description Adenosylhomocysteinase (AHCY) is an enzyme that catalyzes the reversible hydrolysis of S-adenosylhomocysteine (SAH) to adenosine (Ado) and L-homocysteine (Hcy). It regulates the intracellular SAH concentration thought to be important for transmethylation reactions. Deficiency in this protein is one of the different causes of hypermethioninemia.

Form Liquid

Bio-activity Specific activity is > 300 pmol/min/mg.

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

AA Sequence MGSSHHHHHSSGLVPRGSHMSDKLPYKVADIGLAAWGRKALDIAENEMPGLMRM
RERYSASKPLKGARIAGCLHMTVETAVLIETLVTLGAEVQWSSCNIFSTQDHAAAAIA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KAGIPVYAWKGETDEEYLWCIEQTLYFKDGPLNMILDDGGDLTNLIHTKYPQLLPGIR
 GISEETTTGVHNLYKMMANGILKVPAINVNSVTKSKFDNLYGCRESLIDGIKRATDV
 MIAGKVAVVAGYGDVVGKGAQALRGFGARVIITEIDPINALQAAMEGYEVTTMDEAC
 QEGNIFVTTTGCIDIILGRHFEQMKDDAIVCNIGHFDVEIDVKWLNENAVEKVNIPQV
 DRYRLKNGRRIILLAEGRLVNLGCAMGHPSFVMSNSFTNQVMAQIELWTHPKYPV
 GVHFLPKKLDEAVAEHLGKLVKLTCLTEKQAQYLGMSCDGPFPKPDHYRY.

Purity	> 95% by SDS-PAGE
Applications	Enzyme Activity, and protein assay by SDS-PAGE
Storage	Store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by Bradford assay).
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, No DTT.

GENE INFORMATION

Gene Name	AHCY adenosylhomocysteinase [Homo sapiens (human)]
Official Symbol	AHCY
Synonyms	AHCY; adenosylhomocysteinase; S adenosylhomocysteine hydrolase; SAHH; adoHcyase; S-adenosylhomocysteine hydrolase; S-adenosyl-L-homocysteine hydrolase;
Gene ID	191
mRNA Refseq	NM_000687

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

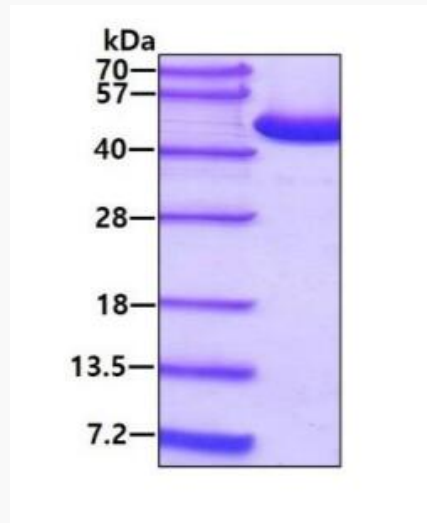
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_000678

MIM 180960

UniProt ID P23526

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA