

## AHCY Protein, Human, Recombinant (His & SUMO)

### General Information

|                       |  |
|-----------------------|--|
| Synonyms:             | AdoHcyase;SAHH;Adenosylhomocysteinase;AHCY;S-adenosyl-L-homocysteine hydrolase   |
| Protein Construction: | 2-432 aa   |
| Species:              | Human  |
| Expression Host:      | E. coli  |
| Accession:            | P23526   |
| Molecular Weight:     | 63.6 kDa (predicted)   |
| AA Sequence:          | SDKLPYKVADIGLAAWGRKALDIAENEMPGLMRMRERYSASKPLKGARIAGCLHMTVETAVLIETLVTLGAEV<br>QWSSCNIFSTQDHAAAIAKAGIPVYAWKGETDEEYLWCIEQTLYFKDGPLNMILDDGGDLNLIHTKYPQLL<br>PGIRGISEETTTGVHNLKMMANGILKVPAINVNDVTSKFDNLYGCRESLIDGIKRTDVMIAQKVAVVAGY<br>GDVGKGCALRGFGARVIITEIDPINALQAAMEGYEVTTMDEACQEGNIFVTTTGCIDIILGRHFEQMKDDAI<br>VCNIGHFDVEIDVKWLNENAVEKVNIPQVDRLKNGRRIILAEGLVNLGCAMGHPSFVMSNSFTNQVM<br>AQIELWTHPKYPVGVHFLPKKLDEAVAEHLGKLVNKLTKLTEKQAQYLGMSCDGPFKPDHYRY |

### QC Testing

|                      |   |
|----------------------|---|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity:              | > 90% as determined by SDS-PAGE.  |
| Endotoxin:           | < 1.0 EU/μg of the protein as determined by the LAL method.   |
| Formulation:         | Tris-based buffer, 50% glycerol   |

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Adenosylhomocysteine is a competitive inhibitor of S-adenosyl-L-methionine-dependent methyl transferase reactions; therefore adenosylhomocysteinase may play a key role in the control of methylations via regulation of

the intracellular concentration of adenosylhomocysteine.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481