

## 32-6649: AHCY Mouse

**Alternative Name :** EC 3.3.1.1, SAHH, AdoHcyase, S-adenosyl-L-homocysteine hydrolase, Adenosylhomocysteinase.

### Description

Source: Escherichia Coli.

Sterile filtered colorless solution.

AHCY is an enzyme that catalyzes the reversible hydrolysis of S-adenosylhomocysteine (AdoHcy) to adenosine (Ado) and L-homocysteine (Hcy). AHCY controls the intracellular S-adenosylhomocysteine (SAH) concentration that is crucial for transmethylation reactions. AHCY deficiency causes hypermethioninemia.

AHCY Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 456 amino acids (1-432 a.a) and having a molecular mass of 50.2kDa. AHCY is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** AHCY protein solution (0.25mg/ml) containing 20mM Tris-Hcl buffer (pH8.0) containing 40% glycerol 0.2M NaCl, 1mM DTT.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMSDKLP YKVADIGLAA WGRKALDIAE NEMPGLMRMR  
EMYSASKPLK GARIAGCLHM TVETAVLIET LVALGAEVRW SSCNIFSTQD HAAAAIAKAG IPVFAWKGET  
DEEYLWCIEQ TLHFKDGPLN MILDDGGDLT NLIHTKYPQL LSGIRGISEE TTTGVHNLYK MMSGILKVP  
AINVNDVTK SKFDNLYGCR ESLIDGIKRA TDVMIAGKVA VVAGYGDVKG GCAQALRGFG ARVIITEIDP  
INALQAAMEG YEVTMDEAC KEGNIFVTTT GCVDIILGRH FEQMKDDAIV CNIGHFDVEI DVKWLNENAV  
EKVNIKQVD RYWLKNGRRI ILLAEGRLVN LGCAMGHPSF VMSNSFTNQV MAQIELWTHP DKYPVGVHFL  
PKKLDEAVAE AHLGKLVKL TKLTEKQAQY LGMPINGPFK PDHYRY.