

**Active AHCY, human recombinant protein**SAHH, AdoHcyase, S-adenosyl-L-homocysteine hydrolase, Adenosyl Homocysteinase  
Catalog # PBV11139r**Specification****Active AHCY, human recombinant protein - Product info**

Primary Accession [P23526](#)  
Concentration **5**  
Calculated MW **52.1 kDa (1-432 aa + N-terminal polyhistidine tag). In the native form the protein exists in the tetrameric form and this form is required for activity. kDa**

**Active AHCY, human recombinant protein - Additional Info**

Gene ID **191**  
Gene Symbol **AHCY**  
**Other Names**  
SAHH, AdoHcyase,  
S-adenosyl-L-homocysteine hydrolase,  
Adenosyl Homocysteinase

Gene Source **Human**  
Source **E. coli**  
Assay&Purity **SDS-PAGE; ≥90%**  
Assay2&Purity2 **N/A;**  
Recombinant **Yes**  
Results **BioVision's Active AHCY has been tested for its activity using Adenosyl Homocysteinase (AHCY) Activity Fluorometric Assay Kit (K807-100). It has a specific activity of >350 mU/mg.**

**Target/Specificity**  
AHCY/SAHH**Format**  
Liquid**Storage**  
-80°C; 5 mg/ml in 50 mM potassium phosphate, 1 mM EDTA, pH 7.2 containing 20% glycerol.**Active AHCY, human recombinant protein - Background**

AHCY (EC 3.3.1.1) 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. The recombinant human AHCY produced in E.Coli is a single, non-glycosylated polypeptide chain and is purified by proprietary chromatographic techniques.

**Active AHCY, human recombinant protein - References**

Coulter-Karis D.E., et al. Ann. Hum. Genet. 53:169-175(1989).  
Kalnine N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Deloukas P., et al. Nature 414:865-871(2001).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

## **Active AHCY, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)