Active Recombinant Human AHCY protein, His-tagged

Cat. No. AHCY-99H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human AHCY protein(P23526)(2-432 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	2-432 aa
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	Adenosylhomocysteinase (S-adenosylhomocysteine synthase, S-adenosylhomocysteine hydrolase, adenosylhomocysteine hydrolase, S-adenosylhomocysteinase, SAHase, AdoHcyase, AHCY) is an enzyme that converts S-adenosylhomocysteine to homocysteine and adenosine. The enzyme contains one tightly bound NAD per subunit. Besides, Major Histocompatibility Complex Class I B (MHCB) has been identified as an interactor of AHCY, thus a binding ELISA assay was conducted to detect the interaction of recombinant human AHCY and recombinant human MHCB. Briefly, AHCY were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100uL were then transferred to MHCB-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-AHCY pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3

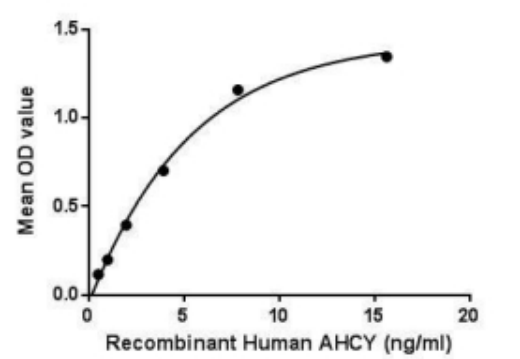
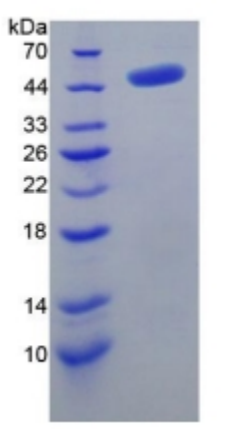
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	times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µ stop solution to the wells and read at 450nm immediately. The binding activity of AHCY and MHCB was shown, and this effect was in a dose dependent manner.
Molecular Mass	51.3kDa
Purity	> 95%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	AHCY adenosylhomocysteinase [Homo sapiens]
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
Protein Refseq	NP_000678

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MIM	180960
UniProt ID	P23526
Activity	
SDS-PAGE	

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