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AHCY, 1-432aa, Human, His-tag, Baculovirus

产品货号: TP01087

第三版

别名: Adenosylhomocysteinase isoform 1, AHCY, adoHcyase, SAHH

**描述:** AHCY, also known as adenosylhomocysteinase isoform 1, is an enzyme that catalyzes the reversible hydrolysis of S-adenosylhomocysteine (AdoHcy) to adenosine (Ado) and L-homocysteine (Hcy). AdoHcy hydrolysis is a reversible reaction with an equilibrium favoring AdoHcy formation, but hydrolysis prevails under physiological conditions due to the rapid removal of adenosine and homocysteine. Thus, AHCY activity in mammals is directly related to homocysteine level, an independent risk factor for vascular disease. It also functions as a regulator of biological transmethylation by controlling the concentration of AdoHcy, a potent competitive inhibitor of all S-adenosyl-L-methionine methyltransferases. Recombinant human AHCY protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**配方:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**分子量:** 48.8kDa (441aa), 40-57kDa (SDS-PAGE under reducing conditions.)

**序列:**

ADLMSDKLPYKVADIGLAAWGRKALDIAENEMPGLMRMRERYASASKPLKGARIAGCLHMTVETAVLIETLVTLGAEVQW  
SSCNIFSTQDHAAAAIAKAGIPVYAWKGETDEEYLWCIEQTLYFKDGPLNMILDDGGDLTNIHTKYPQLLPGIRGISEETT  
TGVHNLKMMANGILKVPAINVNDVTKSKFDNLYGCRESLIDGIKRAVDVMIAGKVAVVAGYGDVKGCAQALRGFG  
ARVIITEIDPINALQAAMEGYEVTTMDEACQEGNIFVTTTGCIDIILGRHFEQMKDDAIVCNIGHFDVEIDVKWLNENAV  
EKVNIKPQVDRLKNGRRIILLAEGRVLNLGCAMGHPSFVMSNSFTNQVMAQIELWTHPDKYPVGVHFLPKKLDEAVA  
EAHLGKLVKLTKLTEKQAQYLGMSCDGPFKPDHYRYHHHHHH

**纯度:** > 95% by HPLC

**浓度:** 0.25mg/ml (determined by Absorbance at 280nm)

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.