

S-Adenosyl-L-Homocysteine Hydrolase, Recombinant

Product Information Cat# NATE-1150 Abbr SAHase, Recombinant Alias SAHase Similar SAHase Description Enzyme in vertebrates which catabolizes S-adenosyl-L-homocysteine. **Appearance** White powder, lyophilized **Product Overview** S-adenosyl-L-homocysteine hydrolase (SAHH, EC 3.3.1.1) (AdoHcyase) is an enzyme of the activated methyl cycle, responsible for the reversible hydration of S-adenosyl-Lhomocysteine into adenosine and homocysteine. SAHH is a ubiquitous enzyme which binds and requires NAD+ as a cofactor. AdoHcyase is a highly conserved protein of about 430 to 470 amino acids. The family contains a glycine-rich region in the central part of AdoHcyase; aregion thought to be involved in NAD-binding. This protein may use themorpheein model of allosteric regulation. Form Freeze dried powder Enzyme EC 3.3.1.1 Commission Number Activity 140U/mg **Molecular Weight** About 44kDa (SDS-PAGE detection) **Purity** >90% (SDS-PAGE test) **Isoelectric point** 6.15 6.0-8.0 pH Stability **Unit Definition** One unit will catalyze 1.0 µmole of S-adenosyl-L-homocysteine to adenosine and Hcy per min at pH 7.4 at 37°C. Redissolved in 20% glycerol, 4°C, store at -20°C for long-term preservation, Avoid Storage

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	multiple freeze-thaw cycles.
Buffer	Tris buffer, pH8.0
Synonyms	Adenosylhomocysteinase; EC 3.3.1.1; S-adenosylhomocysteine synthase; S- adenosylhomocysteine hydrolase; adenosylhomocysteine hydrolase (ambiguous); S-

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