

AHCY Human, Sf9

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

Description

Source: Sf9, Baculovirus cells. 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 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 441 amino acids (1-432 a.a.) and having a molecular mass of 48.8kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions). AHCY is fused to a 6 amino acids His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg
purification : Greater than 90% as determined by SDS-PAGE.
Content : AHCY protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
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.