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32-6648: 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 :	1 µg / 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.
Amino Acid :	ADLMSDKLPY KVADIGLAAW GRKALDIAEN EMPGLMRMRE RYSASKPLKG ARIAGCLHMT VETAVLIETL VTLGAEVQWS SCNIFSTQDH AAAAIAKAGI PVYAWKGETD EEYLWCIEQT LYFKDGPLNM ILDDGGDLTN LIHTKYPQLL PGIRGISEET TTGVHNLYKM MANGILKVPA INVNDSVTKS KFDNLYGCRE SLIDGIKRAT DVMIAGKVAV VAGYGDVGKG CAQALRGFGA RVIITEIDPI NALQAAMEGY EVTTMDEACQ EGNIFVTTTG CIDIILGRHF EQMKDDAIVC NIGHFDVEID VKWLNENAVE KVNIKPQVDR YRLKNGRRII LLAEGRLVNL GCAMGHPSFV MSNSFTNQVM AQIELWTHPD KYPVGVHFLP KKLDEAVAEA HLGKLNVKLT KLTEKQAQYL GMSCDGPFKP DHYRYHHHHH H.