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Product datasheet for PH300724

S adenosylhomocysteine hydrolase (AHCY) (NM_000687) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AHCY MS Standard C13 and N15-labeled recombinant protein (NP_000678)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200724
Predicted MW:	47.7 kDa
Protein Sequence:	>RC200724 protein sequence Red=Cloning site Green=Tags(s) MSDKLPYKVADIGLAAWGRKALDIAENEMPGLMRMRERYSASKPLKGARIAGCLHMTVETAVLIETLVTL GAEVQWSSCNIFSTQDHAAAAIAKAGIPVYAWKGETDEEYLWCIEQTLYFKDGPLNMILDDGGDLTNLIH TKYPQLLPGIRGISEETTTGVHNLYKMMANGILKVPAINVNDSVTKSKFDNLYGCRESLIDGIKRATDVM IAGKVAVVAGYGDVGKGCAQALRGFGARVIITEIDPINALQAAMEGYEVTTMDEACQEGNIFVTTTGCID IILGRHFEQMKDDAIVCNIGHFDVEIDVKWLNENAVEKVNIKPQVDRYRLKNGRRIILLAEGRLVNLGCA MGHPSFVMSNSFTNQVMAQIELWTHPDKYPVGVHFLPKKLDEAVAEAHLGKLNVKLTKLTEKQAQYLGMS CDGPFKPDHYRY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000678
RefSeq Size:	2211
RefSeq ORF:	1296
Synonyms:	adoHcyase; SAHH

View online »

Locus ID: 191

UniProt ID: P23526, A0A384MTQ3

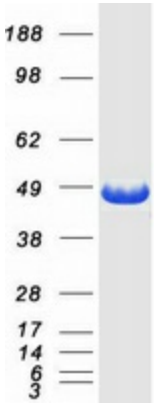
Cytogenetics: 20q11.22

Summary: S-adenosylhomocysteine hydrolase belongs to the adenosylhomocysteinase family. It catalyzes the reversible hydrolysis of S-adenosylhomocysteine (AdoHcy) to adenosine (Ado) and L-homocysteine (Hcy). Thus, it regulates the intracellular S-adenosylhomocysteine (SAH) concentration thought to be important for transmethylation reactions. Deficiency in this protein is one of the different causes of hypermethioninemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2009]

Protein Families: Druggable Genome

Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways, Selenoamino acid metabolism

Product images:



Coomassie blue staining of purified AHCY protein (Cat# [TP300724]). The protein was produced from HEK293T cells transfected with AHCY cDNA clone (Cat# [RC200724]) using MegaTran 2.0 (Cat# [TT210002]).