

Product datasheet for **TP300724**

S adenosylhomocysteine hydrolase (AHCY) (NM_000687) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human S-adenosylhomocysteine hydrolase (AHCY), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200724 protein sequence Red =Cloning site Green =Tags(s)

MSDKLPYKVADIGLAAWGRKALDIAENEMPGLMRMRERYSASKPLKGARIAGCLHMTVETAVLIETLVTL
GAEVQWSSCNIFSTQDHAAAAIAKAGIPVYAWKGETDEEYLWCIEQTLYFKDGPLNMILDDGGDLTNLIH
TKYPQLLPGIRGISEETTTGVHNLYKMMANGILKVPAINVNSVTKSKFDNLYGCRESLIDGIKRTDVM
IAGKVAVVAGYGDVGKGCQAALRGFGARVIITEIDPINALQAAMEGYEVTTMDEACQEGNIFVTTTGCID
IILGRHFEQMKDDAIVCNIGHFDVEIDVKWLNENAVEKVNIPQVDYRLKNGRRILLAEGRVLNLGCA
MGHPSFVMSNSFTNQVMAQIELWTHPKYPVGVHFLPKKLDEAVAEAHLGKLNKLTKLTEKQAQYLG
MS
CDGPFKPDHYRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	47.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_000678](#)

Locus ID: 191

UniProt ID: [P23526](#)

RefSeq Size: 2211

Cytogenetics: 20q11.22

RefSeq ORF: 1296

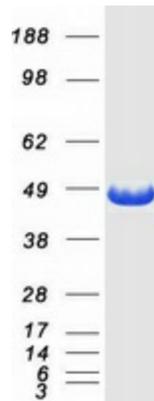
Synonyms: adoHcyase; SAHH

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]).