

Recombinant Full Length Human AHCY Protein, C-Flag-tagged

Cat. No. AHCY-1359HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human AHCY Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	47.5 kDa
AA Sequence	MSDKLPYKVADIGLAAWGRKALDIAENEMPGLMRMRERYASASKPLKGARIAGCLHM TVETAVLIETLVTL GAEVQWSSCNIFSTQDHAAAAIAKAGIPVYAWKGETDEEYLWCI EQTLYFKDGPLNMILDDGGDLTNLIH TKYPQLLPGIRGISEETTTGVHNLYKMMANGI LKVPAINVND SVTKSKFDNLYGCRESLIDGIKRATDVM IAGKVAVVAGYGDVGKGCA QALRGFGARVIITEIDPINALQAAMEGYEVTTMDEACQEGNIFVTTTGCID IILGRHFE QMKDDAIVCNIGHFDVEIDVKWLNENAVEKVNIKPQVDRLKNGRRRIILLAEGRLVN

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LGCA MGHPFSVMSNSFTNQVMAQIELWTHPKYPVGVHFLPKKLDEAVAEHLGK
 LNVKLTKLTEKQAQYLGMS
 CDGPFPKPDHYRYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Cysteine and methionine metabolism, Metabolic pathways, Selenoamino acid metabolism
Full Length	Full L.

GENE INFORMATION

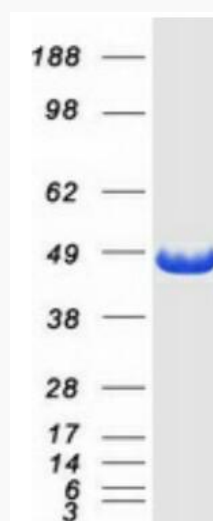
Gene Name	AHCY adenosylhomocysteinase [Homo sapiens (human)]
Official Symbol	AHCY
Synonyms	SAHH; adoHcyase

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Gene ID	191
mRNA Refseq	NM_000687.4
Protein Refseq	NP_000678.1
MIM	180960
UniProt ID	P23526



Coomassie blue staining of purified AHCY protein.