

Recombinant Human AHCY Protein, GST-tagged

Cat. No. AHCY-455H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human AHCY full-length ORF (AAH11606, 1 a.a. - 432 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jun 2009]
Molecular Mass	73.26 kDa
AA Sequence	MSDKLPYKVADIGLAAWGRKALDIAENEMPGLMRMRERYSASKPLKGARIAGCLHM TVETAVLIETLVTLGAEVQWSSCNIFSTQDHA AAAIAKAGIPVYAWKGETDEEYLWCI EQTLYFKDGPLNMILDDGGDLTNLIHTKHPQLLPGIRGISEETTTGVHNLKMMANGI LKVPAINVNSVTKSKFDNLYGCRESLIDGIKRDVMIAGKVAVVAGYGDVKGKCA QALRGFGARVIITEIDPINALQAAMEGYEVTTMDEACQEGNIFVTTTGCIDIILGRHFE QMKDDAIVCNIGHFDVEIDVKWLNENAVEKVNIPQVDYRLKNGRRIILLAEGRLVN LGCAMGHPSFVMSNSFTNQVMAQIELWTHPKYPVGVHFLPKKLDEAVAEAHLGKL

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NVKLTKLTEKQAQYLGMSCDGPFKPDHYRY

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[AHCY adenosylhomocysteinase \[Homo sapiens \]](#)

Official Symbol

[AHCY](#)

Synonyms

AHCY; adenosylhomocysteinase; S adenosylhomocysteine hydrolase; SAHH; adoHcyase; S-adenosylhomocysteine hydrolase; S-adenosyl-L-homocysteine hydrolase;

Gene ID

[191](#)

mRNA Refseq

[NM_000687](#)

Protein Refseq

[NP_000678](#)

MIM

[180960](#)

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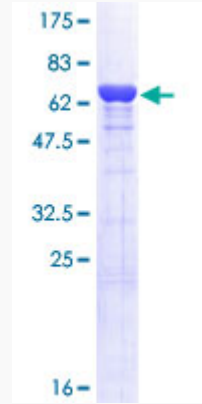
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UniProt ID


P23526

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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