

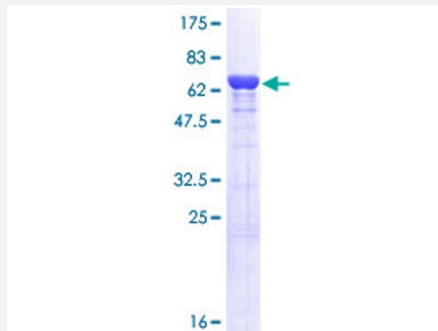
Full-Length

AHCY (Human) Recombinant Protein (P01)

Catalog # H00000191-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AHCY full-length ORF (AAH11606, 1 a.a. - 432 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSDKLPYKVADIGLAAWGRKALDIAENEMPGLMRMRERYASKPLKGARIAGCLHMTVETAVLIE
TLVTLGAEVQWSSCNIFSTQDHAAAAIAKAGIPVYAWKGETDEEYLWCIEQTLYFKDGPLNMILDD
GGDLTNLIHTKHPQLPGIRGISEETTTGVHNLKMMANGILKVPAINVND SVTKSKFDNLYGCRESL
IDGIKRATDVMIAKGVA VVAGYGDVGKGCAQALRGFGARVIITEIDPINALQAAMEGYEVTMDEAC
QEGNIFVTTTGCIDILGRHFEQMKDDAIVCNIGHFDVEIDVKWLNENAVEKVNIKPQVD RYRLKNGR
RIILLAEGRLVNLGCAMGHPSFVMSNSFTNQVMAQIELWTHPDKYPVGVHFLPKKLDEAVAE AHL
GKLVNKLTKLTEKQAQYLGMSCDGPFKPDHYRY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

73.26

Interspecies Antigen Sequence

Mouse (97); Rat (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — AHCY

Entrez GeneID	191
GeneBank Accession#	BC011606
Protein Accession#	AAH11606
Gene Name	AHCY
Gene Alias	SAHH
Gene Description	S-adenosylhomocysteine hydrolase
Omim ID	180960
Gene Ontology	Hyperlink
Gene 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]
Other Designations	OTTHUMP00000030684 adenosylhomocysteinase

Pathway

- [Cysteine and methionine metabolism](#)
- [Metabolic pathways](#)
- [Selenoamino acid metabolism](#)

Disease

- [Aortic Aneurysm](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fatigue](#)
- [Genetic Predisposition to Disease](#)
- [Hyperhomocysteinemia](#)
- [Microsatellite Instability](#)
- [Sleep Disorders](#)
- [Sleep Initiation and Maintenance Disorders](#)
- [Spinal Dysraphism](#)
- [Stroke](#)
- [Tooth Abnormalities](#)
- [Venous Thrombosis](#)