

AHCY recombinant protein

AHCY, 1-432aa, Human, His-tag, Baculovirus

CATALOG # AAA48964	HOST Baculovirus	APPLICATIONS SDS-Page
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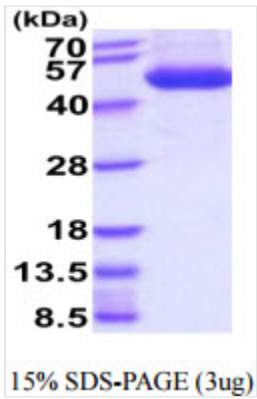
PRODUCT SYNONYMS

AHCY, 1-432aa; Human; His-tag; Baculovirus; Adenosylhomocysteinase isoform 1; adoHcyase; SAHH; AHCY recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol.
Concentration	0.25mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence	ADLMSDKLPY KVADIGLAAW GRKALDIAEN EMPGLMRMRE RYSASKPLKG ARIAGCLHMT VETAVLIETL VTLGAEVQWS SCNIFSTQDH AAAAIKAGI PVYAWKGETD EEYLWCIEQT LYFKDGPLNM ILDDGGDLTN LIHTKYPQLL PGIRGISEET TTGVHNLYKM MANGILKVPA INVNDSVTKS KFDNLYGCRE SLIDGIKRAT DVMIAGKVAV VAGYGDVGKG CAQALRGFGA RVIITEIDPI NALQAAMEGY EVTTMDEACQ EGNIFVTTTG CIDIILGRHF EQMKDDAIVC NIGHFDVEID VKWLNENAVE KVNKPQVDR YRLKNGRRRII LLAEGRLVNL GCAMGHPSFV MSNSFTNQVM AQIELWTHPD KYPVGVHFLP KKLDEAVAEA HLGKLNVKLT KLTEKQAQYL GMSCDGPFPK DHYRYHHHHH H
Sequence Length	1-432aa
Applicable Applications for AHCY recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Domain	1-432aa
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE
3 ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for AHCY recombinant protein	AHCY, also known as adenosylhomocysteinase isoform 1, is an enzyme that catalyzes the reversible hydrolysis of S-adenosylhomocysteine (AdoHcy) to adenosine (Ado) and L-homocysteine (Hcy). AdoHcy hydrolysis is a reversible reaction with an equilibrium favoring AdoHcy formation, but hydrolysis prevails under physiological conditions due to the rapid removal of adenosine and homocysteine. Thus, AHCYs activity in mammals is directly related to homocysteine level, an independent risk factor for vascular disease. It also functions as a regulator of biological transmethylation by controlling the concentration of AdoHcy, a potent competitive inhibitor of all S-adenosyl-L-methionine methyltransferases. Recombinant human AHCY protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for AHCY recombinant protein	Signal Transduction; Metabolism
References	Vugrek O. et al., (2009) Hum Mutat. 30: E555-65.; Park SJ. et al., (2015) Am J Cancer Res. 5: 2127-2138.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9951915
NCBI GeneID	191
NCBI Accession #	NP_000678
NCBI GenBank Nucleotide #	NM_000687.3
UniProt Accession #	P23526; Q96A36; A8K307; B3KUN3; E1P5P2; F5H737
Molecular Weight	48.8kDa (441aa)
NCBI Official Full Name	adenosylhomocysteinase isoform 1
NCBI Official Synonym Full Names	adenosylhomocysteinase
NCBI Official Symbol	AHCY
NCBI Official Synonym Symbols	SAHH; adoHcyase
NCBI Protein Information	adenosylhomocysteinase
UniProt Protein Name	Adenosylhomocysteinase
UniProt Gene Name	AHCY
UniProt Synonym Gene Names	SAHH; AdoHcyase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ahcy-recombinant-protein-baculovirus-sds-page/48964>