

Recombinant Mouse Ahcy Protein, His-tagged

Cat. No. Ahcy-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Ahcy (1-432aa), fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-432 a.a.
Description	Enables adenosylhomocysteinase activity; copper ion binding activity; and protein self-association. Acts upstream of or within S-adenosylhomocysteine catabolic process. Located in cytosol. Is expressed in several structures, including alimentary system; integumental system; nervous system; respiratory system; and sensory organ. Human ortholog(s) of this gene implicated in hypermethioninemia with deficiency of S-adenosylhomocysteine hydrolase. Orthologous to human AHCY (adenosylhomocysteinase).
Form	Liquid
Molecular Mass	50.2 kDa (456aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHSSGLVPRGSHMGSHMSDKLPYKVADIGLAAWGRKALDIAENEMPG LMRMREMYSASKPLKGARIAGCLHMTVETAVLIETLVALGAEVRWSSCNIFSTQDHA AAAIAKAGIPVFAWKGETDEEYLWCIEQTLHFKDGPLNMILDDGGDLTNLIHTKYPQL LSGIRGISEETTTGVHNLYKMMSNGILKVPAINVNDSTKSKFDONLYGCRESLIDGIKR

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ATDVMIAAGKVAVVAGYGDVGKGCAQALRGFGARVIITEIDPINALQAAMEGYEVTTM
DEACKEGNIFVTTTGCVDIILGRHFEQMKDDAIVCNIGHFDVEIDVKWLNENAVEKVNI
KPQVDRYWLKNGRRILLAEGRLVNLGCAMGHPSFVMSNSFTNQVMAQIELWTHPD
KYPVGVHFLPKKLDEAVAEHLGKLVNKLTKLTEKQAQYLGMPINGPFPKPDHYRY

Purity > 90% by SDS-PAGE

Applications SDS-PAGE

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/mL (determined by absorbance at 280nm)

Storage Buffer 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.2M NaCl, 1mM DTT

GENE INFORMATION

Gene Name Ahcy S-adenosylhomocysteine hydrolase [Mus musculus (house mouse)]

Official Symbol Ahcy

Synonyms Ahcy; S-adenosylhomocysteine hydrolase; CuBP; SAHH; AA987153; AL024110; adenosylhomocysteinase; S-adenosyl-L-homocysteine; hydrolase; adoHcyase; liver copper-binding protein; EC 3.3.1.1

Gene ID 269378

mRNA Refseq NM_016661

Protein Refseq NP_057870

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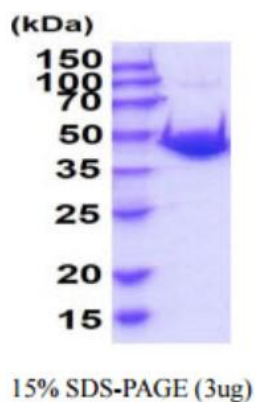
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UniProt ID

P50247

SDS-PAGE



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

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