

Recombinant Mouse Acss2 Protein, His-tagged

Cat. No. Acss2-68M Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Mouse Acss2 Protein (Pro492-Gln701) with N-His tag was expressed in E. coli. |
| Species | Mouse |
| Source | E.coli |
| ProteinLength | Pro492-Gln701 |
| Description | Enables acetate-CoA ligase activity and propionate-CoA ligase activity. Acts upstream of or within acetyl-CoA biosynthetic process. Located in cytoplasm. Is expressed in several structures, including alimentary system; genitourinary system; liver; nervous system; and sensory organ. Human ortholog(s) of this gene implicated in orofacial cleft. Orthologous to human ACSS2 (acyl-CoA synthetase short chain family member 2). |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 27.1 kDa Accurate Molecular Mass: 31 kDa |
| Purity | > 90% |
| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |

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| Stability | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| Storage Buffer | PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300. |
| Reconstitution | Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

GENE INFORMATION

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| Gene Name | Acss2 acyl-CoA synthetase short-chain family member 2 [Mus musculus (house mouse)] |
| Official Symbol | Acss2 |
| Synonyms | ACSS2; acyl-CoA synthetase short-chain family member 2; acetyl-coenzyme A synthetase, cytoplasmic; ACS; aceCS; acetate--CoA ligase; acyl-activating enzyme; acetyl-CoA synthetase 1; acetyl-Coenzyme A synthetase 1 (AMP forming); acetyl-Coenzyme A synthetase 2 (ADP forming); acetyl-Coenzyme A synthetase 2 (AMP forming); ACAS; Acs1; Acas1; Acas2; AceCS1; 1110017C11Rik |
| Gene ID | 60525 |
| mRNA Refseq | NM_019811 |
| Protein Refseq | NP_062785 |

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UniProt ID

Q9QXG4

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