

Recombinant Mouse Acadsb Protein, His-tagged

Cat. No. Acadsb-25M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Acadsb Protein (Leu216-Tyr432) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu216-Tyr432
Description	Predicted to enable acyl-CoA dehydrogenase activity; electron transfer activity; and identical protein binding activity. Predicted to be involved in fatty acid metabolic process and isoleucine catabolic process. Predicted to act upstream of or within acyl-CoA metabolic process. Located in mitochondrion. Is expressed in several structures, including alimentary system; genitourinary system; integumental system; nervous system; and sensory organ. Orthologous to human ACADSB (acyl-CoA dehydrogenase short/branched chain).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.9 kDa Accurate Molecular Mass: 28 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	
Gene Name	Acadsh acyl-Coenzyme A dehydrogenase, short/branched chain [Mus musculus (house mouse)]
Official Symbol	Acadsh
Synonyms	Acadsh; acyl-Coenzyme A dehydrogenase, short/branched chain; SBCAD; 2-MEBCAD; BB066609; 1300003O09Rik; short/branched chain specific acyl-CoA dehydrogenase, mitochondrial; 2-methyl branched chain acyl-CoA dehydrogenase; 2-methylbutyryl-coenzyme A dehydrogenase; EC 1.3.8.5
Gene ID	66885
mRNA Refseq	NM_025826
Protein Refseq	NP_080102
UniProt ID	Q9DBL1

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