

Recombinant Rat Acadsb Protein, His-tagged

Cat. No. Acadsb-26R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Acadsb Protein (Met1-Ala298) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Ala298
Description	Enables electron transfer activity and short-branched-chain-acyl-CoA dehydrogenase activity. Acts upstream of or within acyl-CoA metabolic process. Predicted to be located in mitochondrial matrix. Predicted to be active in mitochondrion. Orthologous to human ACADSB (acyl-CoA dehydrogenase short/branched chain).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.4 kDa Accurate Molecular Mass: 36 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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

 Tel: 1-631-559-9269 1-516-512-3133

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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

[Acadsb acyl-CoA dehydrogenase, short/branched chain \[Rattus norvegicus \(Norway rat\) \]](#)

Official Symbol

[Acadsb](#)

Synonyms

ACADSB; acyl-CoA dehydrogenase, short/branched chain; ACAD7; SBCAD; 2-MEBCAD; short/branched chain specific acyl-CoA dehydrogenase, mitochondrial; 2-methylbutyryl-coenzyme A dehydrogenase; 2-methyl branched chain acyl-CoA dehydrogenase; 2 MEBCAD; 2 methyl branched chain acyl CoA dehydrogenase; 2 methylbutyryl CoA dehydrogenase; 2-methylbutyryl-CoA dehydrogenase; ACDSB_HUMAN; acyl CoA dehydrogenase, short/branched chain; OTTHUMP00000020685; OTTHUMP00000046795; Short/branched chain specific acyl-CoA dehydrogenase; acyl-Coenzyme A dehydrogenase, short/branched chain; 2-methylbutyryl-coenzyme A dehydrogenase; short/branched chain specific acyl-CoA dehydrogenase, mitochondrial; EC 1.3.99

Gene ID

[25618](#)

mRNA Refseq

[NM_013084](#)

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Protein Refseq	NP_037216
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UniProt ID	P70584
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