Recombinant Mouse Acsbg1 Protein, His-tagged

Cat. No. Acsbg1-1259M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Acsbg1 Protein (Met1-Asn271) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Asn271
Description	Predicted to enable long-chain fatty acid-CoA ligase activity and very long-chain fatty acid-CoA ligase activity. Acts upstream of or within response to glucocorticoid. Predicted to be located in plasma membrane. Predicted to be active in cytoplasm. Is expressed in several structures, including central nervous system; face; genitourinary system; integumental system; and skeleton. Human ortholog(s) of this gene implicated in adrenoleukodystrophy. Orthologous to human ACSBG1 (acyl-CoA synthetase bubblegum family member 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34 kDa Accurate Molecular Mass: 44 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, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Acsbg1 acyl-CoA synthetase bubblegum family member 1 [Mus musculus (house mouse)]
Official Symbol	Acsbg1
Synonyms	Acsbg1; acyl-CoA synthetase bubblegum family member 1; BG1; Bgm; Lpd; R75185; GR-LACS; E230019G03Rik; long-chain-fatty-acid--CoA ligase ACSBG1; bubblegum; gonadotropin-regulated long chain acyl CoA synthetase; lipidosin; lipidosis-related protein lipidosin; lipodisin; EC 6.2.1.3
Gene ID	94180
mRNA Refseq	NM_053178
Protein Refseq	NP_444408
UniProt ID	Q99PU5

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