

Recombinant Mouse Acsm2 Protein, Myc/DDK-tagged

Cat. No. Acsm2-1510M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length acyl-CoA synthetase medium-chain family member 2 (Acsm2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the activation of fatty acids by CoA to produce an acyl-CoA, the first step in fatty acid metabolism. Capable of activating medium-chain fatty acids (e.g. butyric (C4) to decanoic (C10) acids), and certain carboxylate-containing xenobiotics, e.g. benzoate.
Molecular Mass	64.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Acsm2 acyl-CoA synthetase medium-chain family member 2 [Mus musculus (house mouse)]
Official Symbol	Acsm2
Synonyms	Acsm2; acyl-CoA synthetase medium-chain family member 2; AI315615; BC031140; acyl-coenzyme A synthetase ACSM2, mitochondrial; benzoate--CoA ligase; butyrate--CoA ligase 2; butyryl-coenzyme A synthetase 2; middle-chain acyl-CoA synthetase 2; EC 6.2.1.2; EC 6.2.1.25
Gene ID	233799
mRNA Refseq	NM_146197
Protein Refseq	NP_666309
UniProt ID	Q8K0L3

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