

Recombinant Mouse Slc27a2 Protein, Myc/DDK-tagged

Cat. No. Slc27a2-5917M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length solute carrier family 27 (fatty acid transporter), member 2 (Slc27a2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acyl CoA synthetase that activates long-chain and very long-chain fatty acids (VLCFA s) by catalyzing the formation of fatty acyl-CoA. Can also activate branched-chain fatty acids such as phytanic acid and pristanic acid. Does not activate C24 bile acids, cholate and chenodeoxycholate. In vitro, activates 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanate (THCA), the C27 precursor of cholic acid deriving from the de novo synthesis from cholesterol. Exhibits long-chain fatty acids (LCFA) transport activity and plays an important role in hepatic fatty acid uptake.
Molecular Mass	70.4 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.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Slc27a2 solute carrier family 27 (fatty acid transporter), member 2 [Mus musculus (house mouse)]

Official Symbol Slc27a2

Synonyms SLC27A2; solute carrier family 27 (fatty acid transporter), member 2; very long-chain acyl-CoA synthetase; FATP-2; THCA-CoA ligase; fatty acid transport protein 2; long-chain-fatty-acid--CoA ligase; solute carrier family 27 member 2; very long-chain-fatty-acid-CoA ligase; fatty-acid-coenzyme A ligase, very long-chain 1; very long-chain acyl-Coenzyme A dehydrogenase synthase; VLCS; Vlac; FATP2; Vlacs; ACSVL1

Gene ID 26458

mRNA Refseq NM_011978

Protein Refseq NP_036108

UniProt ID O35488

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