

Recombinant Mouse Acsl3 Protein, His-tagged

Cat. No. Acsl3-54M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Acsl3 Protein (Cys450-Lys720) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Cys450-Lys720
Description	Predicted to enable arachidonate-CoA ligase activity; protein domain specific binding activity; and protein kinase binding activity. Predicted to be involved in several processes, including fatty acid metabolic process; positive regulation of phosphatidylcholine biosynthetic process; and positive regulation of transport. Predicted to act upstream of or within fatty acid metabolic process. Predicted to be located in Golgi apparatus and perinuclear region of cytoplasm. Predicted to be active in endoplasmic reticulum; lipid droplet; and plasma membrane. Is expressed in several structures, including alimentary system; brain; genitourinary system; respiratory system; and sensory organ. Human ortholog(s) of this gene implicated in asthma; breast cancer; and prostate cancer. Orthologous to human ACSL3 (acyl-CoA synthetase long chain family member 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34 kDa Accurate Molecular Mass: 35 kDa

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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 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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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	Acsl3 acyl-CoA synthetase long-chain family member 3 [Mus musculus (house mouse)]
Official Symbol	Acsl3
Synonyms	ACSL3; acyl-CoA synthetase long-chain family member 3; long-chain-fatty-acid--CoA ligase 3; LACS 3; long-chain acyl-CoA synthetase 3; fatty acid Coenzyme A ligase, long chain 3; Acs3; FacI3; C85929; Pro2194; 2610510B12Rik
Gene ID	74205
mRNA Refseq	NM_001033606

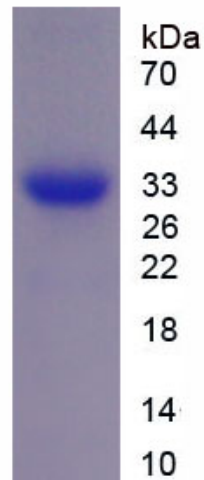
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Protein Refseq NP_001028778

UniProt ID Q9CZW4



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