

Recombinant Mouse Acsl5 Protein, His-tagged

Cat. No. Acsl5-58M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Acsl5 Protein (Ile390-Glu683) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ile390-Glu683
Description	Enables long-chain fatty acid-CoA ligase activity. Involved in long-chain fatty acid metabolic process. Located in mitochondrial inner membrane. Is expressed in several structures, including alimentary system; genitourinary system; integumental system; nervous system; and sensory organ. Orthologous to human ACSL5 (acyl-CoA synthetase long chain family member 5).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.3 kDa Accurate Molecular Mass: 33 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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, 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

[Acs15 acyl-CoA synthetase long-chain family member 5 \[Mus musculus \(house mouse\) \]](#)

Official Symbol

[Acs15](#)

Synonyms

Acs15; acyl-CoA synthetase long-chain family member 5; ACS2; ACS5; Fac15; 1700030F05Rik; long-chain-fatty-acid--CoA ligase 5; LACS 5; arachidonate--CoA ligase; fatty acid Coenzyme A ligase, long chain 5; long-chain acyl-CoA synthetase 5; EC 6.2.1.15; EC 6.2.1.3

Gene ID

[433256](#)

mRNA Refseq


[NM_027976](#)

Protein Refseq


[NP_082252](#)

UniProt ID

[Q8JZR0](#)

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