

Recombinant Mouse AcsI5 Protein, His-tagged

Cat. No. AcsI5-58M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse AcsI5 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

[AcsI5 acyl-CoA synthetase long-chain family member 5 \[Mus musculus \(house mouse\) \]](#)

Official Symbol

[AcsI5](#)

Synonyms

AcsI5; acyl-CoA synthetase long-chain family member 5; ACS2; ACS5; FacI5; 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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA