

## Recombinant Mouse Acs15 Protein, Myc/DDK-tagged

**Cat. No.** Acs15-1508M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length acyl-CoA synthetase long-chain family member 5 (Acs15), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Catalyzes the conversion of long-chain fatty acids to their active form acyl-CoAs for both synthesis of cellular lipids, and degradation via beta-oxidation. ACSL5 may activate fatty acids from exogenous sources for the synthesis of triacylglycerol destined for intracellular storage. It was suggested that it may also stimulate fatty acid oxidation. At the villus tip of the crypt-villus axis of the small intestine may sensitize epithelial cells to apoptosis specifically triggered by the death ligand TRAIL. May have a role in the survival of glioma cells. Utilizes a wide range of saturated fatty acids with a preference for C16-C18 unsaturated fatty acids. |
| <b>Molecular Mass</b>   | 76.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | 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** [Acsl5 acyl-CoA synthetase long-chain family member 5 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Acsl5](#)

**Synonyms** [Acsl5](#); acyl-CoA synthetase long-chain family member 5; Fac; 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](#)

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