

## Recombinant Mouse HACL1 Protein, His-tagged

**Cat. No.** HACL1-1611M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse HACL1 Protein (Met1-Asn287) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Met1-Asn287                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Enables carbon-carbon lyase activity. Involved in fatty acid alpha-oxidation. Acts upstream of or within lipid metabolic process. Predicted to be located in nucleoplasm. Predicted to be active in peroxisome. Is expressed in several structures, including adipose tissue; alimentary system; eye; genitourinary system; and nervous system. Orthologous to human HACL1 (2-hydroxyacyl-CoA lyase 1). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 34.1 kDa<br>Accurate Molecular Mass: 34 kDa                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                              |
| <b>Stability</b>        | 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, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

[Hac1l 2-hydroxyacyl-CoA lyase 1 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol**

[Hac1l](#)

**Synonyms**

HACL1; 2-hydroxyacyl-CoA lyase 1; 2-HPCL; 2-hydroxyphytanoyl-CoA lyase; phytanoyl-CoA 2-hydroxylase 2; Hpcl; Phyh2; 1600020H07Rik;

**Gene ID**

[56794](#)

**mRNA Refseq**

[NM\\_019975](#)

**Protein Refseq**

[NP\\_064359](#)

**UniProt ID**

[Q9QXE0](#)

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