

Recombinant Rat HACL1 Protein, His-tagged

Cat. No. HACL1-1612R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat HACL1 Protein (Met1-Cys264) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Cys264
Description	Enables carbon-carbon lyase activity and thiamine pyrophosphate binding activity. Involved in fatty acid alpha-oxidation and methyl-branched fatty acid metabolic process. Located in peroxisome. Orthologous to human HACL1 (2-hydroxyacyl-CoA lyase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.7 kDa Accurate Molecular Mass: 32 kDa
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

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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

[Hacl1 2-hydroxyacyl-CoA lyase 1 \[Rattus norvegicus \(Norway rat\) \]](#)

Official Symbol

[Hacl1](#)

Synonyms

HACL1; 2-hydroxyacyl-CoA lyase 1; 2-HPCL; 2-hydroxyphytanoyl-CoA lyase; phytanoyl-CoA 2-hydroxylase 2; 2-hydroxyphytanoyl-Coenzyme A lyase; phytanoyl-Coenzyme A 2-hydroxylase 2; Hpcl2; Phyh2;

Gene ID

[85255](#)

mRNA Refseq

[NM_053493](#)

Protein Refseq

[NP_445945](#)

UniProt ID

[Q8CHM7](#)

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