

## Recombinant Zebrafish acaca Protein, His&GST-tagged

Cat. No. acaca-17Z Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Zebrafish acaca Protein (Pro1961-Cys2277) with N-His&GST tag was expressed in E. coli.   |
| <b>Species</b>          | Zebrafish  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | Pro1961-Cys2277  |
| <b>Description</b>      | Predicted to enable ATP binding activity; acetyl-CoA carboxylase activity; and metal ion binding activity. Acts upstream of or within response to (R)-carnitine. Is expressed in liver and male organism. Orthologous to human ACACA (acetyl-CoA carboxylase alpha). |
| <b>Form</b>             | Freeze-dried powder  |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 66.2 kDa<br>Accurate Molecular Mass: 63 kDa  |
| <b>Purity</b>           | > 90%  |
| <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 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, 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**

[acaca acetyl-CoA carboxylase alpha \[ Danio rerio \(zebrafish\) \]](#)

**Official Symbol**

[acaca](#)

**Synonyms**

ACACA; acetyl-CoA carboxylase alpha; ACAC, ACC, acetyl Coenzyme A carboxylase alpha; acetyl-CoA carboxylase 1; ACC1; acetyl CoA carboxylase 1; ACC-alpha; acetyl-Coenzyme A carboxylase alpha; ACC; ACAC; ACCA; ACACAD

**Gene ID**

[559403](#)

**mRNA Refseq**

[NM\\_001271308](#)

**Protein Refseq**

[NP\\_001258237](#)

**UniProt ID**

[F6P055](#)

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