# Recombinant Zebrafish acaca Protein, His&GST-tagged

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

## SPECIFICATION

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| **Product Overview** | Recombinant Zebrafish acaca Protein (Pro1961-Cys2277) with N-His&GST tag was expressed in E. coli. |
| **Species** | Zebrafish |
| **Source** | E.coli |
| **ProteinLength** | Pro1961-Cys2277 |
| **Description** | 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). |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | Predicted Molecular Mass: 66.2 kDa<br>Accurate Molecular Mass: 63 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, 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

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| **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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