

ACAA1 Protein, Human (sf9, His)

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| Cat. No.: | HY-P75558 |
| Synonyms: | 3-ketoacyl-CoA thiolase, peroxisomal; Beta-ketothiolase; ACAA1; ACAA; PTHIO |
| Species: | Human |
| Source: | Sf9 insect cells |
| Accession: | P09110 (L27-N424) |
| Gene ID: | 30 |
| Molecular Weight: | Approximately 43.8 kDa |

PROPERTIES

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| Biological Activity | The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet. |
| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | The ACAA1 protein is responsible for the thiolytic cleavage of straight-chain 3-keto fatty acyl-CoAs (3-oxoacyl-CoAs). It plays a crucial role in fatty acid peroxisomal beta-oxidation, exhibiting catalytic activity in the cleavage of short, medium, long, and very long straight-chain 3-oxoacyl-CoAs. |
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Caution: Product has not been fully validated for medical applications. For research use only.

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