# Recombinant Human ACAD10, GST-tagged

**Cat. No.** ACAD10-9263H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human ACAD10 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 1-237a.a. |
| **Description** | This gene encodes a member of the acyl-CoA dehydrogenase family of enzymes (ACADs), which participate in the beta-oxidation of fatty acids in mitochondria. The encoded enzyme contains a hydrolase domain at the N-terminal portion, a serine/threonine protein kinase catlytic domain in the central region, and a conserved ACAD domain at the C-terminus. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. |
| **Storage** | The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles. |
| **Storage Buffer** | 1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100,15%glycerol. |

## GENE INFORMATION

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| **Gene Name** | ACAD10 acyl-CoA dehydrogenase family, member 10 [ Homo sapiens ] |
| **Official Symbol** | ACAD10 |
| **Synonyms** | ACAD10; acyl-CoA dehydrogenase family, member 10; acyl Coenzyme A dehydrogenase family, member 10; acyl-CoA dehydrogenase family member 10; MGC5601; ACAD-10; acyl-Coenzyme A dehydrogenase family, member 10; |
| **Gene ID** | 80724 |
| **mRNA Refseq** | NM_001136538 |
| **Protein Refseq** | NP_001130010 |
| **MIM** | 611181 |
| **UniProt ID** | Q6JQN1 |
| **Chromosome Location** | 12q24.12 |
| **Function** | acyl-CoA dehydrogenase activity; flavin adenine dinucleotide binding; hydrolase activity; transferase activity, transferring phosphorus-containing groups; |

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