

**Product:** Acyl-Coenzyme A Dehydrogenase 8 (ACAD8), human, recombinant  
**Catalog #:** 12-4343  
**Amount:** 5 µg

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**DESCRIPTION:** Recombinant human Acyl-Coenzyme A Dehydrogenase 8 (rHuACAD8) Acyl-coenzyme A (CoA) dehydrogenases (ACADs) are a family of mitochondrial enzymes that catalyze the first dehydrogenation step in the beta-oxidation of fatty acyl-CoA derivatives. Several human ACADs exist and all ACADs catalyze the same initial dehydrogenation of the substrate at the beta-carbon atom and require electron transfer flavoprotein as an electron acceptor. The predicted 415-amino acid ACAD8 protein contains many of the residues conserved in most other ACADs, including an active site glutamic acid residue and residues important for tetramer formation.

Recombinant Human ACAD-8 produced in E.Coli is a non-glycosylated, polypeptide chain containing amino acids 1-415 and having a total molecular mass of 47.7 kda.

rhACAD8 contains T7 tag at N-terminus and is purified by proprietary chromatographic techniques.

**SOURCE:** *Escherichia coli*

**PURITY:** > 95%, as determined by:  
Analysis by reducing and non-reducing SDS-PAGE Coomassie blue staining

**APPLICATION:**

- ELISA
- MS
- Inhibition Assays
- Western Blotting

**FORM:** Purified, in 10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN<sub>3</sub> and 10mM DTT.

**STORAGE:** -20°C (aliquot), avoid freezing and thawing cycles

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