

Recombinant human ACADL protein

Catalog Number: ATGP1278

PRODUCT INFORMATION

Expression system

E.coli

Domain

31-430aa

UniProt No.

P28330

NCBI Accession No.

NP_001599

Alternative Names

Acyl-CoA dehydrogenase long chain, Acyl-CoA dehydrogenase, long chain, ACAD4, FLJ94052, LCAD

PRODUCT SPECIFICATION

Molecular Weight

46.7 kDa (421aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

ACADL belongs to the acyl-CoA dehydrogenase family, existing as a homotetramer. It is involved in the catabolism of fatty acids and amino acids and they provide a major source of energy for the heart and skeletal muscle. Defect in the gene encoding ACADL leads to non-ketotic hypoglycemia and hypotonia, muscle weakness. Recombinant human ACADL protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques

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Amino acid Sequence

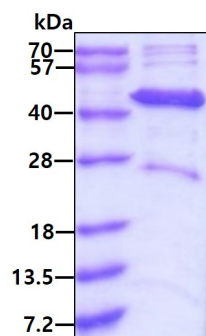
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General References

Maher AC., et al. (2010) Mol Genet Metab. 100(2):163-7.
Wanders RJ., et al. (1998) Biochim Biophys Acta. 1393(1):35-40.

DATA

SDS-PAGE



3ug by SDS PAGE under reducing condition and visualized by coomassie blue stain