

## ACAD8 Human

*Acyl-Coenzyme A Dehydrogenase 8 Human Recombinant*  
*ENZ0011*

### Product Overview

Name ACAD8 Human

#### Description

Acyl-Coenzyme A Dehydrogenase 8 Human Recombinant

Accession (Primary) [Q9UKU7](#)

#### Synonyms

Acyl-CoA dehydrogenase long chain, Acyl-Coenzyme A dehydrogenase long chain, LCAD, long-chain specific acyl-CoA dehydrogenase mitochondrial, ACAD4, EC 1.3.99.13.

#### Introduction

ACADL is a homotetramer belonging to the acyl-CoA dehydrogenase family. ACADL takes part in the catabolism of fatty acids and amino acids and is a key source of energy for the heart and skeletal muscle. Mutation in the ACADL gene results in non-ketotic hypoglycemia and hypotonia (muscle weakness).

#### Source

E.coli.

#### Physical Appearance

Sterile Filtered colorless solution.

#### Formulation

The ACADL solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.

#### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

#### Purity

Greater than 85% as determined by SDS-PAGE.

#### Amino acid sequence

MGSSHHHHH SSGLVPRGSH M GGEERLETP SAKKLTIDIGI RRIFSPEHDI FRKSVRKFFQ EEVIPHSEW  
EKAGEVSREV WEKAGKQGLL GVNIAEHLGG IGGDLYSAAI VWEEQAYSNC SGPGFSIHSG IVMSYITNHG  
SEEQIKHFIP QMTAGKCIGA IAMTEPGAGS DLQGIKTNAK KDGSDWILNG SKVFISNGSL SDVVIVVAVT  
NHEAPSPAHG ISLFLVENGM KGFIKGRKLH KMGLKAQDTA ELFFEDIRLP ASALLGEENK GFYYIMKELP  
QERLLIADVA ISASEFMFEE TRNYVKQRKA FGKTV AHLQT VQHKLAELKT HICVTRAFVD NCLQLHEAKR

LDSATACMAK YWASELQNSV AYDCVQLHGG WGYMWEYPIA KAYVDARVQP IYGGTNEIMK ELIAREIVFD K

**Precautions**

ACAD8 Human is for research use only and not for use in diagnostic or therapeutic procedures.

**Target Information: ( [Q9UKU7](#) )**