

Native Porcine Lipoamide Dehydrogenase

Cat. No. NATE-0894

Lot. No. (See product label)

Introduction

Description

Lipoamide dehydrogenase (or diaphorase) catalyzes the following reaction: Lipoamide + NADH + H⁺ → Dihydrolipoamide + NAD⁺. The enzyme occurs in mammalian and microbial cells and it catalyzes a number of reactions which involve NAD⁺ or NADH. Lipoamide dehydrogenase from porcine heart contains two polypeptide chains which are similar. It has two molecules of tightly bound flavin adenine dinucleotide (FAD). The molecular weight of the porcine heart enzyme is between 100,000 and 114,000.

Synonyms

NADH: lipoamide oxidoreductase; EC 1.6.4.3; Lipoamide Dehydrogenase; LD

Product Information

Species

Porcine

Source

Porcine Heart

Form

Freeze-dried powder

EC Number

EC 1.6.4.3

Molecular Weight

100-114 kDa

Activity

25 U/mg protein

Unit Definition

The amount of enzyme which catalyzes the oxidation of one micromole NADH per minute at pH 5.65 and 25°C.

Storage and Shipping Information

Stability

Store at -20°C (-4°F)