Creative Enzymes®

Diaphorase from E. coli, Recombinant

Cat. No. DIA-320

Lot. No. (See product label)

Introduction

Description	Diaphorase or dihydrolipoyl dehydrogenase (EC 1.8.1.4) is a flavoprotein enzyme capable of oxidizing the reduced form of NAD (NADH). This lipoamide dehydrogenase is a component of the glycine cleavage system, as well as of the alpha-ketoacid dehydrogenase complexes.
Synonyms	dehydrolipoate dehydrogenase; diaphorase; dihydrolipoamide dehydrogenase; dihydrolipoamide:NAD+ oxidoreductase; dihydrolipoic dehydrogenase; dihydrothioctic dehydrogenase; lipoamide dehydrogenase (NADH); lipoamide oxidoreductase (NADH); lipoamide reductase; lipoamide reductase (NADH); lipoate dehydrogenase; lipoic acid dehydrogenase; lipoyl dehydrogenase; dihydrolipoyl dehydrogenase; EC 1.8.1.4; 9001-18-7; Lipoamide Dehydrogenase

Product Information

Source	E. coli
Form	Liquid
EC Number	EC 1.8.1.4
CAS No.	9001-18-7
Molecular Weight	~ 51.7kD
Activity	~ 10 U/mg protein
Unit Definition	One Unit is defined as the amount of enzyme required to oxidise one µmole of NADH per minute with associated reduction of INT in Tris-HCl buffer at pH 9.0 and 25°C.

Storage and Shipping Information

Storage	4°C