Creative Enzymes®

Formate dehydrogenase from Candida boidinii, Recombinant

Cat. No. NATE-1061

Lot. No. (See product label)

Introduction

Description	Formate dehydrogenases are a set of enzymes that catalyse the oxidation of formate to carbon dioxide, donating the electrons to a second substrate, such as NAD+ in formate:NAD+ oxidoreductase (EC 1.2.1.2) or to a cytochrome in formate:ferricytochrome-b1 oxidoreductase (EC 1.2.2.1).
Synonyms	EC 1.2.1.2; 9028-85-7; formate-NAD oxidoreductase; FDH; FDH I; FDH II; N-FDH; formic hydrogen-lyase; formate hydrogenlyase; hydrogenlyase; NAD-linked formate dehydrogenase; NAD-dependent formate dehydrogenase; formate dehydrogenase (NAD); NAD-formate dehydrogenase; formate benzyl-viologen oxidoreductase; formic acid dehydrogenase

Product Information

Source	Candida boidinii
Form	Lyophilized powder
EC Number	EC 1.2.1.2
CAS No.	9028-85-7
Molecular Weight	~ 41kD
Activity	≥0.4 U/mg solid
Unit Definition	One Unit is defined as the amount of enzyme required to convert one μmole of formic acid to NADH + CO2 per minute in the presence of NAD+ in potassium phosphate buffer at pH 7.6 and 25°C.

Storage and Shipping Information

Storage	4°C