

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 Liquid

EC Number EC 1.2.1.2

CAS No. 9028-85-7

Molecular Weight ~ 41kD

Activity ~ 1 U/mg protein

Unit Definition One Unit is defined as the amount of enzyme required to convert one μ mole 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