

## 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<sup>+</sup> in formate:NAD<sup>+</sup> 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  $\mu$ mole of formic acid to NADH + CO<sub>2</sub> per minute in the presence of NAD<sup>+</sup> in potassium phosphate buffer at pH 7.6 and 25°C.

### Storage and Shipping Information

**Storage** 4°C