

## hydrogen dehydrogenase [NAD(P)+]

Cat. No. EXWM-0520

Lot. No. (See product label)

### Introduction

**Description** A nickel, iron, iron-sulfur protein. The enzyme from the archaeon *Pyrococcus furiosus* is part of a heterotetrameric complex where the  $\alpha$  and  $\Delta$  subunits function as a hydrogenase while the  $\beta$  and  $\gamma$  subunits function as sulfur reductase (EC 1.12.98.4, sulfhydrogenase). Different from EC 1.12.1.3, hydrogen dehydrogenase (NADP+).

**Synonyms** hydrogenase II (ambiguous)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.12.1.5

**Reaction**  $H_2 + NAD(P)^+ = H^+ + NAD(P)H$

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.