

## inositol 2-dehydrogenase

Cat. No. EXWM-0083

Lot. No. (See product label)

### Introduction

**Description** This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD<sup>+</sup> or NADP<sup>+</sup> as acceptor. The systematic name of this enzyme class is myo-inositol:NAD<sup>+</sup> 2-oxidoreductase. Other names in common use include myo-inositol 2-dehydrogenase, myo-inositol:NAD<sup>+</sup> oxidoreductase, inositol dehydrogenase, and myo-inositol dehydrogenase. This enzyme participates in inositol metabolism and inositol phosphate metabolism.

**Synonyms** myo-inositol 2-dehydrogenase; myo-inositol:NAD<sup>+</sup> oxidoreductase; inositol dehydrogenase; myo-inositol dehydrogenase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.18

**CAS No.** 9028-25-5

**Reaction** myo-inositol + NAD<sup>+</sup> = 2,4,6/3,5-pentahydroxycyclohexanone + NADH + H<sup>+</sup>

**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.