

## glycerol 2-dehydrogenase (NADP+)

Cat. No. EXWM-0060

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 glycerol:NADP<sup>+</sup> 2-oxidoreductase (glycerone-forming). Other names in common use include dihydroxyacetone reductase, dihydroxyacetone (reduced nicotinamide adenine dinucleotide, phosphate) reductase, dihydroxyacetone reductase (NADPH), DHA oxidoreductase, and glycerol 2-dehydrogenase (NADP<sup>+</sup>). This enzyme participates in glycerolipid metabolism.

**Synonyms** dihydroxyacetone reductase; dihydroxyacetone (reduced nicotinamide adenine dinucleotide phosphate) reductase; dihydroxyacetone reductase (NADPH); DHA oxidoreductase; glycerol 2-dehydrogenase (NADP)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.156

**CAS No.** 39342-20-6

**Reaction** glycerol + NADP<sup>+</sup> = glycerone + NADPH + 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.