

## glycerol-3-phosphate 1-dehydrogenase (NADP+)

Cat. No. EXWM-0080

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 sn-glycerol-3-phosphate:NADP<sup>+</sup> 1-oxidoreductase. Other names in common use include glycerol phosphate (nicotinamide adenine dinucleotide phosphate), dehydrogenase, L-glycerol 3-phosphate:NADP<sup>+</sup> oxidoreductase, glycerin-3-phosphate dehydrogenase, NADPH-dependent glycerin-3-phosphate dehydrogenase, and glycerol-3-phosphate 1-dehydrogenase (NADP<sup>+</sup>).

**Synonyms** glycerol phosphate (nicotinamide adenine dinucleotide phosphate) dehydrogenase; L-glycerol 3-phosphate:NADP<sup>+</sup> oxidoreductase; glycerin-3-phosphate dehydrogenase; NADPH-dependent glycerin-3-phosphate dehydrogenase; NADP-specific glycerol 3-phosphate 1-dehydrogenase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.177

**CAS No.** 37213-46-0

**Reaction** sn-glycerol 3-phosphate + NADP<sup>+</sup> = D-glyceraldehyde 3-phosphate + 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.