

## glucose-6-phosphate dehydrogenase (NADP+)

Cat. No. EXWM-0334

Lot. No. (See product label)

### Introduction

#### Description

The enzyme catalyses a step of the pentose phosphate pathway. The enzyme is specific for NADP+. cf. EC 1.1.1.363, glucose-6-phosphate dehydrogenase [NAD(P)+] and EC 1.1.1.388, glucose-6-phosphate dehydrogenase (NAD+).

#### Synonyms

NADP-glucose-6-phosphate dehydrogenase; Zwischenferment; D-glucose 6-phosphate dehydrogenase; glucose 6-phosphate dehydrogenase (NADP); NADP-dependent glucose 6-phosphate dehydrogenase; 6-phosphoglucose dehydrogenase; Entner-Doudoroff enzyme; glucose-6-phosphate 1-dehydrogenase; G6PDH; GPD; glucose-6-phosphate dehydrogenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.49

#### CAS No.

9001-40-5

#### Reaction

D-glucose 6-phosphate + NADP+ = 6-phospho-D-glucono-1,5-lactone + NADPH + 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.