

## 2-oxoglutarate reductase

Cat. No. EXWM-0319

Lot. No. (See product label)

### Introduction

#### Description

The enzyme catalyses a reversible reaction. The enzyme from the bacterium *Peptoniphilus asaccharolyticus* is specific for (R)-2-hydroxyglutarate. The SerA enzyme from the bacterium *Escherichia coli* can also accept (S)-2-hydroxyglutarate with a much higher  $K_m$ , and also catalyses the activity of EC 1.1.1.95, phosphoglycerate dehydrogenase.

#### Synonyms

serA (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.399

#### Reaction

(R)-2-hydroxyglutarate + NAD<sup>+</sup> = 2-oxoglutarate + 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.