

# 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 Km, 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+ = 2-oxoglutarate + NADH + 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.