

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⁺ = 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.