

(4S)-4-hydroxy-2-oxoglutarate aldolase

Cat. No. EXWM-4919

Lot. No. (See product label)

Introduction

Description

The enzyme from the bacterium *Escherichia coli* is specific for the (S) enantiomer. That enzyme is trifunctional, and also catalyses the reactions of EC 4.1.1.3, oxaloacetate decarboxylase and EC 4.1.2.14, 2-dehydro-3-deoxy-phosphogluconate aldolase. cf. EC 4.1.3.16, 4-hydroxy-2-oxoglutarate aldolase.

Synonyms

2-oxo-4-hydroxyglutarate aldolase (ambiguous); hydroxyketoglutaric aldolase (ambiguous); 4-hydroxy-2-ketoglutaric aldolase (ambiguous); 2-keto-4-hydroxyglutaric aldolase (ambiguous); 4-hydroxy-2-ketoglutarate aldolase (ambiguous); 2-keto-4-hydroxyglutarate aldolase (ambiguous); 2-oxo-4-hydroxyglutaric aldolase (ambiguous); hydroxyketoglutarate aldolase (ambiguous); 2-keto-4-hydroxybutyrate aldolase (ambiguous); 4-hydroxy-2-oxoglutarate glyoxylate-lyase (ambiguous); eda (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.1.3.42

CAS No.

9030-81-3

Reaction

(4S)-4-hydroxy-2-oxoglutarate = pyruvate + glyoxylate

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.