

CDP-4-dehydro-6-deoxyglucose reductase

Cat. No. EXWM-1080

Lot. No. (See product label)

Introduction

Description

The enzyme consists of two proteins. One forms an enzyme-bound adduct of the CDP-4-dehydro-6-deoxyglucose with pyridoxamine phosphate, in which the 3-hydroxy group has been removed. The second catalyses the reduction of this adduct by NAD(P)H and release of the CDP-4-dehydro-3,6-dideoxy-D-glucose and pyridoxamine phosphate.

Synonyms

CDP-4-keto-6-deoxyglucose reductase; cytidine diphospho-4-keto-6-deoxy-D-glucose reductase; cytidine diphosphate 4-keto-6-deoxy-D-glucose-3-dehydrogenase; CDP-4-keto-deoxy-glucose reductase; CDP-4-keto-6-deoxy-D-glucose-3-dehydrogenase system; NAD(P)H:CDP-4-keto-6-deoxy-D-glucose oxidoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.17.1.1

CAS No.

37256-87-4

Reaction

$\text{CDP-4-dehydro-3,6-dideoxy-D-glucose} + \text{NAD(P)}^+ + \text{H}_2\text{O} = \text{CDP-4-dehydro-6-deoxy-D-glucose} + \text{NAD(P)H} + \text{H}^+$

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.