Creative Enzymes®

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	CDP-4-dehydro-3,6-dideoxy-D-glucose + NAD(P)+ + H2O = CDP-4-dehydro-6-deoxy-D-glucose + NAD(P)H + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.