Creative Enzymes®

GDP-L-colitose synthase

Cat. No. EXWM-0272

Lot. No. (See product label)

Introduction

Description	The enzyme is involved in biosynthesis of L-colitose, a 3,6-dideoxyhexose found in the O-antigen of Gram-negative lipopolysaccharides, where it catalyses the reaction in the reverse direction. The enzyme also performs the NAD(P)H-dependent epimerisation at C-5 of the sugar. The enzyme from Yersinia pseudotuberculosis is Si-specific with respect to NAD(P)H.
Synonyms	ColC

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.356
Reaction	GDP-β-L-colitose + NAD(P)+ = GDP-4-dehydro-3,6-dideoxy-α-D-mannose + 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 ℃.