Creative Enzymes®

dTDP-3-amino-3,4,6-trideoxy-α-D-glucose transaminase

Cat. No. EXWM-2846

Lot. No. (See product label)

Introduction

Description	A pyridoxal-phosphate protein. The enzyme is involved in the biosynthesis of dTDP-α-D-desosamine, a sugar found in several bacterial macrolide antibiotics including erythromycin, megalomicin A, mycinamicin II, and oleandomycin. The reaction occurs in the reverse direction.
Synonyms	desV (gene name); megDII (gene name); eryCI (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.6.1.106
Reaction	dTDP-3-amino-3,4,6-trideoxy-α-D-glucose + 2-oxoglutarate = dTDP-3-dehydro-4,6-deoxy-α-D-glucose + L-glutamate
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 ℃.