

## dTDP-3-amino-3,4,6-trideoxy- $\alpha$ -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- $\alpha$ -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- $\alpha$ -D-glucose + 2-oxoglutarate = dTDP-3-dehydro-4,6-deoxy- $\alpha$ -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 °C for short term. For long term storage, store it at -20 °C~-80 °C.