

## monoglucosyldiacylglycerol synthase

Cat. No. EXWM-2574

Lot. No. (See product label)

### Introduction

#### Description

The enzymes from cyanobacteria are involved in the biosynthesis of galactolipids found in their photosynthetic membranes. The enzyme belongs to the GT2 family of configuration-inverting glycosyltransferases. cf. EC 2.4.1.337, 1,2-diacylglycerol 3- $\alpha$ -glucosyltransferase.

#### Synonyms

mgdA (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.4.1.336

#### Reaction

UDP- $\alpha$ -D-glucose + a 1,2-diacyl-sn-glycerol = UDP + a 1,2-diacyl-3-O-( $\beta$ -D-glucopyranosyl)-sn-glycerol

#### 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.