

## glycerol-3-phosphate 2-O-acyltransferase

Cat. No. EXWM-2141

Lot. No. (See product label)

### Introduction

#### Description

A membrane-associated enzyme required for suberin or cutin synthesis in plants. Active with a wide range of acyl-CoA substrates (C16:0-C24:0). The enzyme from some sources has much higher activity with  $\omega$ -oxidized acyl-CoAs. Some enzymes are bifunctional and have an additional phosphatase activity producing sn-2-monoacylglycerols.

#### Synonyms

sn-2-glycerol-3-phosphate O-acyltransferase; glycerol-3-phosphate O-acyltransferase (ambiguous)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.3.1.198

#### Reaction

an acyl-CoA + sn-glycerol 3-phosphate = CoA + a 2-acyl-sn-glycerol 3-phosphate

#### 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.