

## sn-2 palmitoyl-lipid 9-desaturase

Cat. No. EXWM-0990

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, characterized from the cyanobacterium *Nostoc* sp. 36, introduces a cis double bond at carbon 9 of palmitoyl groups (16:0) attached to the sn-2 position of glycerolipids.

#### Synonyms

DesC2

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.19.27

#### Reaction

a 1-acyl-2-palmitoyl-[glycerolipid] + 2 reduced ferredoxin [iron-sulfur] cluster + O<sub>2</sub> + 2 H<sup>+</sup> = a 1-acyl-2-palmitoleoyl-[glycerolipid] + 2 oxidized ferredoxin [iron-sulfur] cluster + 2 H<sub>2</sub>O

#### 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.