Creative Enzymes®

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 + O2 + 2 H+ = a 1-acyl-2-palmitoleoyl-[glycerolipid] + 2 oxidized ferredoxin [iron-sulfur] cluster + 2 H2O
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 ℃.