

sn-1 stearoyl-lipid 9-desaturase

Cat. No. EXWM-0991

Lot. No. (See product label)

Introduction

Description The enzyme, characterized from cyanobacteria, introduces a cis double bond at carbon 9 of stearyl groups (18:0) attached to the sn-1 position of glycerolipids. The enzyme is nonspecific with respect to the polar head group of the glycerolipid.

Synonyms desC (gene name)

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.14.19.28

Reaction a 1-stearoyl-2-acyl-[glycerolipid] + 2 reduced ferredoxin [iron-sulfur] cluster + O₂ + 2 H⁺ = a 1-oleoyl-2-acyl-[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 °C for short term. For long term storage, store it at -20 °C~-80 °C.