

hydroperoxy fatty acid reductase

Cat. No. EXWM-0504

Lot. No. (See product label)

Introduction

Description The enzyme, characterized from the cyanobacterium *Synechocystis* PCC 6803, can reduce unsaturated fatty acid hydroperoxides and alkyl hydroperoxides. The enzyme, which utilizes NADPH generated by the photosynthetic electron transfer system, protects the cells from lipid peroxidation.

Synonyms slr1171 (gene name); slr1992 (gene name); hydroperoxy fatty acid:NADPH oxidoreductase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.11.1.22

Reaction a hydroperoxy fatty acid + NADPH + H⁺ = a hydroxy fatty acid + NADP⁺ + 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.