Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.