

## 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<sup>+</sup> = a hydroxy fatty acid + NADP<sup>+</sup> + 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.