Creative Enzymes®

plant seed peroxygenase

Cat. No. EXWM-0514

Lot. No. (See product label)

Introduction

Description	A heme protein with calcium binding motif (caleosin-type). Enzymes of this type include membrane-bound proteins found in seeds of different plants. They catalyse the direct transfer of one oxygen atom from an organic hydroperoxide, which is reduced into its corresponding alcohol to a substrate which will be oxidized. Reactions catalysed include hydroxylation, epoxidation and sulfoxidation. Preferred substrate and co-substrate are unsaturated fatty acids and fatty acid hydroperoxides, respectively. Plant seed peroxygenase is involved in the synthesis of cutin.
Synonyms	plant peroxygenase, soybean peroxygenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.11.2.3
Reaction	R1H + R2OOH = R1OH + R2OH
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 ℃.