Creative Enzymes®

15-cis-phytoene synthase

Cat. No. EXWM-2770

Lot. No. (See product label)

Introduction

Description	Requires Mn2+ for activity. The enzyme produces 15-cis-phytoene. cf. EC 2.5.1.99, 15-trans-phytoene synthase.
Synonyms	prephytoene-diphosphate synthase (ambiguous); phytoene synthetase (ambiguous); PSase (ambiguous); geranylgeranyl-diphosphate geranylgeranyltransferase (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.32
CAS No.	50936-61-3
Reaction	2 geranylgeranyl diphosphate = 15-cis-phytoene + 2 diphosphate (overall reaction); (1a) 2 geranylgeranyl diphosphate = diphosphate + prephytoene diphosphate; (1b) prephytoene diphosphate = 15-cis-phytoene + diphosphate
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 ℃.