Creative Enzymes®

all-trans-10'-apo-β-carotenal 13,14-cleaving dioxygenase

Cat. No. EXWM-0590

Lot. No. (See product label)

Introduction

Description	Requires Fe2+. The enzyme from the plant Arabidopsis thaliana also catalyses EC 1.13.11.69, carlactone synthase, 10-fold faster.
Synonyms	CCD8 (gene name); MAX4 (gene name); NCED8 (gene name); all-trans-10'-apo-β-carotenal:O2 oxidoreductase (13,14-cleaving)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.13.11.70
Reaction	all-trans-10'-apo-β-carotenal + O2 = 13-apo-β-carotenone + (2E,4E,6E)-4-methylocta-2,4,6-trienedial
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 ℃.