Creative Enzymes®

carotenoid-9',10'-cleaving dioxygenase

Cat. No. EXWM-0591

Lot. No. (See product label)

Introduction

Description	Requires Fe2+. The enzyme catalyses the asymmetric oxidative cleavage of carotenoids. The mammalian enzyme can also cleave all-trans-lycopene.
Synonyms	BCO2 (gene name); β-carotene 9',10'-monooxygenase (misleading); all-trans-β-carotene:O2 oxidoreductase (9',10'-cleaving)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.13.11.71
Reaction	all-trans-β-carotene + O2 = all-trans-10'-apo-β-carotenal + β-ionone
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 ℃.