

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.