Creative Enzymes®

# 8'-apo-β-carotenoid 14',13'-cleaving dioxygenase

*Cat. No. EXWM-0587*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| **Description** | A thiol-dependent enzyme isolated from rat and rabbit. Unlike EC 1.13.11.63, β-carotene-15,15'-dioxygenase, it is not active towards β-carotene. The secondary product has not been characterized, but may be (3E,5E)-7-hydroxy-6-methylhepta-3,5-dien-2-one. |
| **Synonyms** | 8'-apo-β-carotenol:O2 oxidoreductase (14',13'-cleaving) |

## Product Information

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|---|---|
| **Form** | Liquid or lyophilized powder |
| **EC Number** | EC 1.13.11.67 |
| **CAS No.** | 198028-39-6 |
| **Reaction** | 8'-apo-β-carotenol + O2 = 14'-apo-β-carotenal + an uncharacterized product |
| **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

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| **Storage** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |