Creative Enzymes®

protodeoxyviolaceinate monooxygenase

Cat. No. EXWM-0819

Lot. No. (See product label)

Introduction

Description	The enzyme, characterized from the bacterium Chromobacterium violaceum, participates in the biosynthesis of the violet pigment violacein. The product, protoviolaceinate, can be acted upon by EC 1.14.13.224, violacein synthase, leading to violacein production. However, it is very labile, and in the presence of oxygen can undergo non-enzymic autooxidation to the shunt product proviolacein.
Synonyms	vioD (gene name); protoviolaceinate synthase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.13.217
Reaction	protodeoxyviolaceinate + NAD(P)H + O2 = protoviolaceinate + NAD(P)+ + H2O
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 ℃.