Creative Enzymes®

pulcherriminic acid synthase

Cat. No. EXWM-0938

Lot. No. (See product label)

Introduction

Description	A heme-thiolate (P-450) enzyme from the bacterium Bacillus subtilis. The order of events during the overall reaction is unknown. Pulcherrimic acid spontaneously forms an iron chelate with Fe(3+) to form the red pigment pulcherrimin.
Synonyms	cyclo-L-leucyl-L-leucyl dipeptide oxidase; CYP134A1; CypX (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.15.13
Reaction	cyclo(L-leucyl-L-leucyl) + 6 reduced ferredoxin + 3 O2 = pulcherriminic acid + 6 oxidized ferredoxin + 4 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 ℃.