Creative Enzymes®

anthranilate 3-monooxygenase (FAD)

Cat. No. EXWM-0932

Lot. No. (See product label)

Introduction

Description	This enzyme, isolated from the bacterium Geobacillus thermodenitrificans, participates in the pathway of tryptophan degradation. The enzyme is part of a system that also includes a bifunctional riboflavin kinase/FMN adenylyltransferase and an FAD reductase, which ensures ample supply of FAD to the monooxygenase.
Synonyms	anthranilate 3-hydroxylase; anthranilate hydroxylase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.14.8
Reaction	anthranilate + FADH2 + O2 = 3-hydroxyanthranilate + FAD + 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 ℃.