Creative Enzymes®

albonoursin synthase

Cat. No. EXWM-1374

Lot. No. (See product label)

Introduction

Description	A flavoprotein from the bacterium Streptomyces noursei. The enzyme can also oxidize several other cyclo dipeptides, the best being cyclo(L-tryptophyl-L-tryptophyl) and cyclo(L-phenylalanyl-L-phenylalanyl).
Synonyms	cyclo(dipeptide):oxygen oxidoreductase; cyclic dipeptide oxidase; AlbA

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.3.13
Reaction	cyclo(L-leucyl-L-phenylalanyl) + 2 O2 = albonoursin + 2 H2O2 (overall reaction); (1a) cyclo(L-leucyl-L-phenylalanyl) + O2 = cyclo[(Z)-α,β-didehydrophenylalanyl-L-leucyl] + H2O2; (1b) cyclo[(Z)-α,β-didehydrophenylalanyl-L-leucyl] + O2 = albonoursin + H2O2
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 ℃.