Creative Enzymes®

oxepin-CoA hydrolase

Cat. No. EXWM-3997

Lot. No. (See product label)

Introduction

Description	The enzyme from Escherichia coli is a bifunctional fusion protein that also catalyses EC 1.17.1.7, 3-oxo-5,6-dehydrosuberyl-CoA semialdehyde dehydrogenase.Combined the two activities result in a two-step conversion of oxepin-CoA to 3-oxo-5,6-dehydrosuberyl-CoA, part of an aerobic phenylacetate degradation pathway. The enzyme from Escherichia coli also exhibits enoyl-CoA hydratase activity utilizing crotonyl-CoA as a substrate.
Synonyms	paaZ (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.3.2.12
Reaction	2-oxepin-2(3H)-ylideneacetyl-CoA + H2O = 3-oxo-5,6-dehydrosuberyl-CoA semialdehyde
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 ℃.