

## 3-oxo-5,6-dehydrosuberyl-CoA semialdehyde dehydrogenase

Cat. No. EXWM-1195

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from *Escherichia coli* is a bifunctional fusion protein that also catalyses EC 3.3.2.12, oxepin-CoA hydrolase. 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.

#### Synonyms

paaZ (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.2.1.91

#### Reaction

3-oxo-5,6-dehydrosuberyl-CoA semialdehyde + NADP<sup>+</sup> + H<sub>2</sub>O = 3-oxo-5,6-dehydrosuberyl-CoA + NADPH + H<sup>+</sup>

#### 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.