

## 6-deoxy-5-ketofructose 1-phosphate synthase

Cat. No. EXWM-2027

Lot. No. (See product label)

### Introduction

#### Description

The enzyme plays a key role in an alternative pathway of the biosynthesis of 3-dehydroquinate (DHQ), which is involved in the canonical pathway for the biosynthesis of aromatic amino acids. The enzyme can also catalyse the reaction of EC 4.1.2.13, fructose-bisphosphate aldolase.

#### Synonyms

DKFP synthase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.2.1.11

#### Reaction

(1) 2-oxopropanal + D-fructose 1,6-bisphosphate = D-glyceraldehyde 3-phosphate + 1-deoxy-D-threo-hexo-2,5-diulose 6-phosphate; (2) 2-oxopropanal + D-fructose 1-phosphate = D-glyceraldehyde + 1-deoxy-D-threo-hexo-2,5-diulose 6-phosphate

#### 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.