

## anthranilate synthase

Cat. No. EXWM-4907

Lot. No. (See product label)

### Introduction

**Description** In some organisms, this enzyme is part of a multifunctional protein, together with one or more other components of the system for the biosynthesis of tryptophan [EC 2.4.2.18 (anthranilate phosphoribosyltransferase), EC 4.1.1.48 (indole-3-glycerol-phosphate synthase), EC 4.2.1.20 (tryptophan synthase) and EC 5.3.1.24 (phosphoribosylanthranilate isomerase)]. The native enzyme in the complex uses either glutamine or, less efficiently, NH<sub>3</sub>. The enzyme separated from the complex uses NH<sub>3</sub> only.

**Synonyms** anthranilate synthetase; chorismate lyase; chorismate pyruvate-lyase (amino-accepting); TrpE

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.1.3.27

**CAS No.** 9031-59-8

**Reaction** chorismate + L-glutamine = anthranilate + pyruvate + L-glutamate

**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.