

## phosphosulfolactate synthase

Cat. No. EXWM-5320

Lot. No. (See product label)

### Introduction

#### Description

Requires Mg<sup>2+</sup>. The enzyme from the archaeon *Methanococcus jannaschii* catalyses the Michael addition of sulfite to phosphoenolpyruvate. It specifically requires phosphoenolpyruvate and its broad alkaline pH optimum suggests that it uses sulfite rather than hydrogensulfite.

#### Synonyms

(2R)-phospho-3-sulfolactate synthase; (2R)-O-phospho-3-sulfolactate sulfo-lyase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 4.4.1.19

#### CAS No.

473575-53-0

#### Reaction

(2R)-2-O-phospho-3-sulfolactate = phosphoenolpyruvate + sulfite

#### 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.