

## 2-phosphosulfolactate phosphatase

Cat. No. EXWM-3676

Lot. No. (See product label)

### Introduction

#### Description

Requires Mg<sup>2+</sup>. The enzyme from *Methanococcus jannaschii* acts on both stereoisomers of the substrate and also hydrolyses a number of phosphate monoesters of (S)-2-hydroxycarboxylic acids, including 2-phosphomalate, 2-phospholactate and 2-phosphoglycolate. This enzyme can also hydrolyse phosphate monoesters of (R)-2-hydroxycarboxylic acids such as (S)-2-phospho-3-sulfolactate and (R)-2-phosphomalate, which, presumably, bind to the enzyme in opposite orientations.

#### Synonyms

(2R)-phosphosulfolactate phosphohydrolase; ComB phosphatase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.1.3.71

#### CAS No.

409095-18-7

#### Reaction

(2R)-2-phospho-3-sulfolactate + H<sub>2</sub>O = (2R)-3-sulfolactate + 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.