Creative Enzymes®

2-phosphosulfolactate phosphatase

Cat. No. EXWM-3676

Lot. No. (See product label)

Introduction

Description	Requires Mg2+. The enzyme from Methanococcus jannaschii acts on both stereoisoimers 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 + H2O = (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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.