

## cysteate synthase

Cat. No. EXWM-2814

Lot. No. (See product label)

### Introduction

#### Description

A pyridoxal-phosphate protein. It is highly specific for O-phospho-L-serine and sulfite. The reaction proceeds through a dehydroalanine (2-aminoacrylic acid) intermediate. The enzyme from *Methanosarcina acetivorans* is evolutionarily related to threonine synthase (EC 4.2.3.1), but the reaction is more similar to that of O-phosphoserine sulfhydrylase (EC 2.5.1.65).

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.5.1.76

**Reaction** O-phospho-L-serine + sulfite = L-cysteate + 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.