

## cysteine synthase

Cat. No. EXWM-2783

Lot. No. (See product label)

### Introduction

**Description** A pyridoxal-phosphate protein. Some alkyl thiols, cyanide, pyrazole and some other heterocyclic compounds can act as acceptors. Not identical with EC 2.5.1.51 ( $\beta$ -pyrazolylalanine synthase), EC 2.5.1.52 (L-mimosine synthase) and EC 2.5.1.53 (uracilylalanine synthase).

**Synonyms** O-acetyl-L-serine sulfhydrylase; O-acetyl-L-serine sulfohydrolase; O-acetylserine (thiol)-lyase; O-acetylserine (thiol)-lyase A; O-acetylserine sulfhydrylase; O3-acetyl-L-serine acetate-lyase (adding hydrogen-sulfide); acetylserine sulfhydrylase; cysteine synthetase; S-sulfocysteine synthase; 3-O-acetyl-L-serine:hydrogen-sulfide 2-amino-2-carboxyethyltransferase; O3-acetyl-L-serine:hydrogen-sulfide 2-amino-2-carboxyethyltransferase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.5.1.47

**CAS No.** 37290-89-4

**Reaction** O-acetyl-L-serine + hydrogen sulfide = L-cysteine + acetate

**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.