Creative Enzymes®

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 (β-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.