Creative Enzymes®

cystathionine γ-synthase

Cat. No. EXWM-2784

Lot. No. (See product label)

Introduction

Description	A pyridoxal-phosphate protein. Also reacts with hydrogen sulfide and methanethiol as replacing agents, producing homocysteine and methionine, respectively. In the absence of thiol, can also catalyse β,γ-elimination to form 2-oxobutanoate, succinate and ammonia.
Synonyms	O-succinyl-L-homoserine succinate-lyase (adding cysteine); O-succinylhomoserine (thiol)-lyase; homoserine O-transsuccinylase; O-succinylhomoserine synthase; O-succinylhomoserine synthetase; cystathionine synthase; cystathionine synthetase; homoserine transsuccinylase; 4-O-succinyl-L-homoserine:L-cysteine S-(3-amino-3-carboxypropyl)transferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.48
CAS No.	9030-70-0
Reaction	O4-succinyl-L-homoserine + L-cysteine = L-cystathionine + succinate
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 ℃.