Creative Enzymes®

Homocysteine Lyase, Recombinant

Cat. No. NATE-1685

Lot. No. (See product label)

Introduction

Description	In enzymology, a homocysteine desulfhydrase (EC 4.4.1.2) is an enzyme that catalyzes the chemical reaction: L-homocysteine + H2O → hydrogen sulfide + NH3 + 2-oxobutanoate Thus, the two substrates of this enzyme are L-homocysteine and H2O, whereas its 3 products are hydrogen sulfide, NH3, and 2-oxobutanoate. This enzyme belongs to the family of lyases, specifically the class of carbon-sulfur lyases. This enzyme participates in nitrogen metabolism and sulfur metabolism. It employs one cofactor, pyridoxal phosphate.
Synonyms	L-homocysteine hydrogen-sulfide-lyase (deaminating 2-oxobutanoate-forming); homocysteine desulfurase; L-homocysteine hydrogen-sulfide-lyase; Homocysteine desulfhydrase; Homocysteine Lyase; EC 4.4.1.2; 9024-41-3

Product Information

Source	Microorganism
Form	liquid / lyophilized
EC Number	EC 4.4.1.2
CAS No.	9024-41-3
Purity	90% (SDS-PAGE test)

Storage and Shipping Information

Storage	4°C,store at -20°C for long-term preservation