Creative Enzymes®

Betaine Homocysteine S-methyltransferase, Recombinant

Cat. No. NATE-1684

Lot. No. (See product label)

Introduction

Description	In the field of enzymology, a betaine-homocysteine S-methyltransferase also known as betaine-homocysteine methyltransferase (BHMT) is a zinc metallo-enzyme that catalyzes the transfer of a methyl group from trimethylglycine and a hydrogen ion from homocysteine to produce dimethylglycine and methionine respectively: Trimethylglycine (methyl donor) + homocysteine (hydrogen donor) → dimethylglycine (hydrogen receiver) + methionine (methyl receiver).
Synonyms	Betaine-homocysteine S-methyltransferase; Betaine homocysteine S-methyltransferase; Betaine-homocysteine S methyltransferase; Betaine homocysteine S methyltransferase; betaine-homocysteine methyltransferase; BHMT; 9029-78-1; EC 2.1.1.5

Product Information

Form	White powder, lyophilized
Formulation	0.05 M Tris base and 0.5 M NaCl (before lyophilizing)
EC Number	EC 2.1.1.5
CAS No.	9029-78-1
Molecular Weight	About 47 kDa （SDS-PAGE）
Purity	90% (SDS-PAGE test)
Isoelectric point	10
Optimum pH	8
Optimum temperature	37°C
Buffer	20mM Tris，50mM Glycine，pH8.0

Storage and Shipping Information

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