Creative Enzymes®

Homocysteine Methyltransferase, Recombinant

Cat. No. NATE-1149

Lot. No. (See product label)

Introduction

Description	Homocysteine (Hcy) is a thiol-containing amino acid formed from methionine during S-adenosylmethionine-dependent transmethylation reactions. It has been demonstrated that even mild or moderately elevated levels of Hcyalso increase the risk of atherosclerosis of the coronary, cerebral andperipheral arteries and cardiovascular disease. And currently the hcy level isregarded as the biomarker for cardiovascular disease diagnosis all over the world.
Synonyms	homocysteine S-methyltransferase; S-adenosylmethionine homocysteine transmethylase; S-methylmethionine homocysteine transmethylase; adenosylmethionine transmethylase; methylmethionine:homocysteine methyltransferase; adenosylmethionine:homocysteine methyltransferase; homocysteine methylase; homocysteine methyltransferase; homocysteine transmethylase; L-homocysteine S-methyltransferase; S-adenosyl-L-methionine:L-homocysteine methyltransferase; S-adenosylmethionine-homocysteine transmethylase; S-adenosylmethionine:homocysteine methyltransferase; EC 2.1.1.10

Product Information

Appearance	White powder, lyophilized
EC Number	EC 2.1.1.10
CAS No.	9012-40-2
Molecular Weight	About 51kDa (SDS-PAGE detection)
Purity	>90% (SDS-PAGE test)
Isoelectric point	5.01
pH Stability	6.5-8.5
Buffer	Tris buffer, pH8.0

Storage and Shipping Information

Storage	Redissolved in 30% glycerol, 4°C, store at -20°C for long-term preservation, Avoid multiple freeze-thaw cycles.