



## Homocysteine Methyltransferase, Recombinant

### Product Information

<b>Cat#</b>	NATE-1149
<b>Abbr</b>	HMT, Recombinant
<b>Alias</b>	HMT
<b>Similar</b>	HMT
<b>Description</b>	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 Hcy also increase the risk of atherosclerosis of the coronary, cerebral and peripheral arteries and cardiovascular disease. And currently the hcy level is regarded as the biomarker for cardiovascular disease diagnosis all over the world.
<b>Appearance</b>	White powder, lyophilized
<b>Product Overview</b>	Methyltransferases are a large group of enzymes that all methylate their substrates but can be split into several subclasses based on their structural features. The most common class of methyltransferases is class I, all of which contain a Rossmann fold for binding S-Adenosyl methionine (SAM). Methyltransferases can also be grouped as different types utilizing different substrates in methyl transfer reactions. These types include Protein methyltransferases, DNA methyltransferases, Natural product methyltransferases, and Non-SAM dependent methyltransferases.
<b>Form</b>	Freeze dried powder
<b>Enzyme Commission Number</b>	EC 2.1.1.10
<b>Activity</b>	>70U/mg
<b>Molecular Weight</b>	About 51kDa (SDS-PAGE detection)
<b>Purity</b>	>90% (SDS-PAGE test)



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<b>Isoelectric point</b>	5.01
<b>pH Stability</b>	6.5-8.5
<b>Storage</b>	Redissolved in 30% glycerol, 4°C, store at -20°C for long-term preservation, Avoid multiple freeze-thaw cycles.
<b>Buffer</b>	Tris buffer, pH8.0
<b>Synonyms</b>	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

Tel: 1-631-562-8517 1-516-512-3133

Email:[info@creative-enzymes.com](mailto:info@creative-enzymes.com)

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY11967, USA