

glycine/sarcosine/dimethylglycine N-methyltransferase

Cat. No. EXWM-1759 Lot. No. (See product label)

| Introduction | |
|-------------------------|---|
| Description Synonyms | Unlike EC 2.1.1.156 (glycine/sarcosine N-methyltransferase), EC 2.1.1.157 (sarcosine/dimethylglycine N-methyltransferase) and EC 2.1.1.161 (dimethylglycine N-methyltransferase), this enzyme, from the halophilic methanoarchaeon Methanohalophilus portucalensis, can methylate glycine and all of its intermediates to form the compatible solute betaine. GSDMT; glycine sarcosine dimethylglycine N-methyltransferase |
| Product Information | |
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| Form | Liquid or lyophilized powder |
| EC Number | EC 2.1.1.162 |
| Reaction | 3 S-adenosyl-L-methionine + glycine = 3 S-adenosyl-L-homocysteine + betaine (overall reaction); (1a) S-adenosyl-L-methionine + glycine = S-adenosyl-L- homocysteine + sarcosine; (1b) S-adenosyl-L-methionine + sarcosine = S-adenosyl- L-homocysteine + N,N-dimethylglycine; (1c) S-adenosyl-L-methionine + N,N- dimethylglycine = S-adenosyl-L-homocysteine + betaine |
| Notes | This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications. |
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Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.