Creative Enzymes®

site-specific DNA-methyltransferase (cytosine-N4-specific)

Cat. No. EXWM-1712

Lot. No. (See product label)

Introduction

Description	This is a large group of enzymes, most of which, with enzymes of similar site specificity listed as EC 3.1.21.3 (type 1 site-specific deoxyribonuclease), EC 3.1.21.4 (type II site-specific deoxyribonuclease) or EC 3.1.21.5 (type III site-specific deoxyribonuclease), form so-called 'restriction-modification systems'. A complete listing of all of these enzymes has been produced by R.J. Roberts and is available on-line at http://rebase.neb.com/rebase/rebase.html.
Synonyms	modification methylase; restriction-modification system; DNA[cytosine-N4]methyltransferase; m4C-forming MTase; S-adenosyl-L-methionine:DNA-cytosine 4-N-methyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.113
CAS No.	169592-50-1
Reaction	S-adenosyl-L-methionine + DNA cytosine = S-adenosyl-L-homocysteine + DNA N4-methylcytosine
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

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