Creative Enzymes®

site-specific DNA-methyltransferase (adenine-specific)

Cat. No. EXWM-1974

Lot. No. (See product label)

Introduction

Description	This is a large group of enzymes, most of which form so-called 'restriction-modification systems' with nucleases that possess similar site specificity [the nucleases are listed as either 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)]. 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

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.72
CAS No.	69553-52-2
Reaction	S-adenosyl-L-methionine + adenine in DNA = S-adenosyl-L-homocysteine + N6-methyladenine in DNA
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 ℃.