spore photoproduct lyase

Cat. No. EXWM-4929

Lot. No. (See product label)

Introduction

Description	This enzyme is a member of the 'AdoMet radical' (radical SAM) family. The enzyme binds a [4Fe-4S] cluster. The cluster is coordinated by 3 cysteines and an exchangeable SAM molecule. The 5'-deoxy-adenosine radical formed after electron transfer from the [4Fe-4S] cluster to the S-adenosyl-L-methionine, initiates the repair by abstracting the C-6 hydrogen of the spore photoproduct lesion. During the second part of the repair process the SAM molecule is regenerated.
Synonyms	SAM; SP lyase; SPL; SplB; SplG

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.1.99.14
CAS No.	37290-70-3
Reaction	(5R)-5,6-dihydro-5-(thymidin-7-yl)thymidine (in double-helical DNA) = thymidylyl-(3'→5')-thymidylate (in double-helical 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 ℃.