

## [ribulose-bisphosphate carboxylase]-lysine N-methyltransferase

Cat. No. EXWM-1724

Lot. No. (See product label)

### Introduction

#### Description

The enzyme catalyses three successive methylations of Lys-14 in the large subunits of hexadecameric higher plant ribulose-bisphosphate-carboxylase (EC 4.1.1.39). Only the three methylated form is observed. The enzyme from pea (*Pisum sativum*) also three-methylates a specific lysine in the chloroplastic isoforms of fructose-bisphosphate aldolase (EC 4.1.2.13).

#### Synonyms

rubisco methyltransferase; ribulose-bisphosphate-carboxylase/oxygenase N-methyltransferase; ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit εN-methyltransferase; S-adenosyl-L-methionine:[3-phospho-D-glycerate-carboxylase (dimerizing)]-lysine 6-N-methyltransferase; RuBisCO methyltransferase; RuBisCO LSMT

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.1.1.127

#### CAS No.

139171-98-5

#### Reaction

3 S-adenosyl-L-methionine + [ribulose-1,5-bisphosphate carboxylase]-L-lysine = 3 S-adenosyl-L-homocysteine + [ribulose-1,5-bisphosphate carboxylase]-N6,N6,N6-trimethyl-L-lysine

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