Creative Enzymes®

[fructose-bisphosphate aldolase]-lysine N-methyltransferase

Cat. No. EXWM-1863

Lot. No. (See product label)

Introduction

Description The enzyme methylates a conserved lysine in the C-terminal part of higher plant fructose-bisphosphate aldolase (EC 4.1.2.13). The enzyme from pea (Pisum sativum) also methylates Lys-14 in the large subunits of hexadecameric higher plant ribulose-bisphosphate-carboxylase (EC 4.1.1.39), but that from Arabidopsis thaliana does not.

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-carboxy-lyase (dimerizing)]-lysine 6-N-methyltransferase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.1.1.259

Reaction 3 S-adenosyl-L-methionine + [fructose-bisphosphate aldolase]-L-lysine = 3 S-adenosyl-L-homocysteine + [fructose-bisphosphate aldolase]-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.