Creative Enzymes®

3-(methylthio)propionyl-CoA ligase

Cat. No. EXWM-5703

Lot. No. (See product label)

Introduction

Description	The enzyme is part of a dimethylsulfoniopropanoate demethylation pathway in the marine bacteria Ruegeria pomeroyi and Pelagibacter ubique. It also occurs in some nonmarine bacteria capable of metabolizing dimethylsulfoniopropionate (e.g. Burkholderia thailandensis, Pseudomonas aeruginosa, and Silicibacter lacuscaerulensis). It requires Mg2+.
Synonyms	DmdB; MMPA-CoA ligase; methylmercaptopropionate-coenzyme A ligase; 3-methylmercaptopropionyl-CoA ligase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.2.1.44
Reaction	ATP + 3-(methylthio)propanoate + CoA = AMP + diphosphate + 3-(methylthio)propanoyl-CoA
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 ℃.