

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