

## 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  $Mg^{2+}$ .

**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**  $ATP + 3\text{-(methylthio)propanoate} + CoA = AMP + \text{diphosphate} + 3\text{-(methylthio)propanoyl-CoA}$

**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.