

methionine-tRNA ligase

Cat. No. EXWM-5641

Lot. No. (See product label)

Introduction

Description

In those organisms producing N-formylmethionyl-tRNA^{fMet} for translation initiation, this enzyme also recognizes the initiator tRNA^{fMet} and catalyses the formation of L-methionyl-tRNA^{fMet}, the substrate for EC 2.1.2.9, methionyl-tRNA formyltransferase.

Synonyms

methionyl-tRNA synthetase; methionyl-transfer ribonucleic acid synthetase; methionyl-transfer ribonucleate synthetase; methionyl-transfer RNA synthetase; methionine transase; MetRS

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.1.1.10

CAS No.

9033-22-1

Reaction

ATP + L-methionine + tRNA^{Met} = AMP + diphosphate + L-methionyl-tRNA^{Met}

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.