Creative Enzymes®

methionine-tRNA ligase

Cat. No. EXWM-5641

Lot. No. (See product label)

Introduction

Description	In those organisms producing N-formylmethionyl-tRNAfMet for translation initiation, this enzyme also recognizes the initiator tRNAfMet and catalyses the formation of L-methionyl-tRNAfMet, 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 translase; MetRS

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.1.1.10
CAS No.	9033-22-1
Reaction	ATP + L-methionine + tRNAMet = AMP + diphosphate + L-methionyl-tRNAMet
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 ℃.