

serine-tRNA ligase

Cat. No. EXWM-5642

Lot. No. (See product label)

Introduction

Description

This enzyme also recognizes tRNA^{Sec}, the special tRNA for selenocysteine, and catalyses the formation of L-seryl-tRNA^{Sec}, the substrate for EC 2.9.1.1, L-seryl-tRNA^{Sec} selenium transferase.

Synonyms

seryl-tRNA synthetase; SerRS; seryl-transfer ribonucleate synthetase; seryl-transfer RNA synthetase; seryl-transfer ribonucleic acid synthetase; serine transylase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.1.1.11

CAS No.

9023-48-7

Reaction

ATP + L-serine + tRNA^{Ser} = AMP + diphosphate + L-seryl-tRNA^{Ser}

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.