Creative Enzymes®

threonine-tRNA ligase

Cat. No. EXWM-5659

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of ligases, to be specific those forming carbon-oxygen bonds in aminoacyl-tRNA and related compounds. This enzyme participates in glycine, serine and threonine metabolism and aminoacyl-trna biosynthesis.
Synonyms	threonyl-tRNA synthetase; threonyl-transfer ribonucleate synthetase; threonyl-transfer RNA synthetase; threonyl-transfer ribonucleic acid synthetase; threonyl ribonucleic synthetase; threonine-transfer ribonucleate synthetase; threonine translase; threonyl-tRNA synthetase; TRS

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.1.1.3
CAS No.	9023-46-5
Reaction	ATP + L-threonine + tRNAThr = AMP + diphosphate + L-threonyl-tRNAThr
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 ℃.