

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 $\text{ATP} + \text{L-threonine} + \text{tRNAThr} = \text{AMP} + \text{diphosphate} + \text{L-threonyl-tRNAThr}$

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.