Creative Enzymes®

glutamine-tRNA ligase

Cat. No. EXWM-5649

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 glutamate metabolism and aminoacyl-trna biosynthesis.
Synonyms	glutaminyl-tRNA synthetase; glutaminyl-transfer RNA synthetase; glutaminyl-transfer ribonucleate synthetase; glutamine-tRNA synthetase; glutamine translase; glutamate-tRNA ligase; glutaminyl ribonucleic acid; GlnRS

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.1.1.18
CAS No.	9075-59-6
Reaction	ATP + L-glutamine + tRNAGln = AMP + diphosphate + L-glutaminyl-tRNAGln
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 ℃.