

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 $\text{ATP} + \text{L-glutamine} + \text{tRNAGln} = \text{AMP} + \text{diphosphate} + \text{L-glutaminyl-tRNAGln}$

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