

tryptophan-tRNA ligase

Cat. No. EXWM-5651

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 tryptophan metabolism and aminoacyl-trna biosynthesis.

Synonyms tryptophanyl-tRNA synthetase; L-tryptophan-tRNA^{Trp} ligase (AMP-forming); tryptophanyl-transfer ribonucleate synthetase; tryptophanyl-transfer ribonucleic acid synthetase; tryptophanyl-transfer RNA synthetase; tryptophanyl ribonucleic synthetase; tryptophanyl-transfer ribonucleic synthetase; tryptophanyl-tRNA synthase; tryptophan translase; TrpRS

Product Information

Form Liquid or lyophilized powder

EC Number EC 6.1.1.2

CAS No. 9023-44-3

Reaction $\text{ATP} + \text{L-tryptophan} + \text{tRNA}^{\text{Trp}} = \text{AMP} + \text{diphosphate} + \text{L-tryptophyl-tRNA}^{\text{Trp}}$

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.