

phenylalanine-tRNA ligase

Cat. No. EXWM-5652

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 phenylalanine, tyrosine and tryptophan biosynthesis and aminoacyl-tRNA biosynthesis.

Synonyms phenylalanyl-tRNA synthetase; phenylalanyl-transfer ribonucleate synthetase; phenylalanine-tRNA synthetase; phenylalanyl-transfer RNA synthetase; phenylalanyl-tRNA ligase; phenylalanyl-transfer RNA ligase; L-phenylalanyl-tRNA synthetase; phenylalanine translase

Product Information

Form Liquid or lyophilized powder

EC Number EC 6.1.1.20

CAS No. 9055-66-7

Reaction $\text{ATP} + \text{L-phenylalanine} + \text{tRNAPhe} = \text{AMP} + \text{diphosphate} + \text{L-phenylalanyl-tRNAPhe}$

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.