# tryptophan-tRNA ligase

*Cat. No. EXWM-5651*

*Lot. No.* (See product label)

## Introduction

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| ***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-tRNATrp 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

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 6.1.1.2 |
| ***CAS No.*** | 9023-44-3 |
| ***Reaction*** | ATP + L-tryptophan + tRNATrp = AMP + diphosphate + L-tryptophyl-tRNATrp |
| ***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

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| ***Storage*** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |