

## proline-tRNA ligase

Cat. No. EXWM-5646

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 arginine and proline metabolism and aminoacyl-trna biosynthesis.

**Synonyms** prolyl-tRNA synthetase; prolyl-transferRNA synthetase; prolyl-transfer ribonucleate synthetase; proline transase; prolyl-transfer ribonucleic acid synthetase; prolyl-s-RNA synthetase; prolinyl-tRNA ligase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 6.1.1.15

**CAS No.** 9055-68-9

**Reaction**  $\text{ATP} + \text{L-proline} + \text{tRNA}^{\text{Pro}} = \text{AMP} + \text{diphosphate} + \text{L-prolyl-tRNA}^{\text{Pro}}$

**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.