

## L-arginine-specific L-amino acid ligase

Cat. No. EXWM-5766

Lot. No. (See product label)

### Introduction

**Description** The enzyme, characterized from the bacterium *Bacillus subtilis*, requires  $Mn^{2+}$  for activity. It shows strict substrate specificity toward L-arginine as the first (N-terminal) amino acid of the product. The second amino acid could be any standard protein-building amino acid except for L-proline.

**Synonyms** Riza; L-amino acid ligase Riza

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 6.3.2.48

**Reaction**  $ATP + L\text{-arginine} + \text{an L-amino acid} = ADP + \text{phosphate} + \text{an L-arginyl-L-amino acid}$

**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.