

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.