Creative Enzymes®

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 Mn2+ 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-arginine + an L-amino acid = ADP + phosphate + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.