Creative Enzymes®

urea carboxylase

Cat. No. EXWM-5798

Lot. No. (See product label)

Introduction

Description	A biotinyl-protein. The yeast enzyme (but not that from green algae) also catalyses the reaction of EC 3.5.1.54 allophanate hydrolase, thus bringing about the hydrolysis of urea to CO2 and NH3. Previously also listed as EC 3.5.1.45. The enzyme from the prokaryotic bacterium Oleomonas sagaranensis can also use acetamide and formamide as substrates.
Synonyms	urease (ATP-hydrolysing); urea carboxylase (hydrolysing); ATP-urea amidolyase; urea amidolyase; UALase; UCA

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.3.4.6
CAS No.	9058-98-4
Reaction	ATP + urea + HCO3- = ADP + phosphate + urea-1-carboxylate
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 ℃.