

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 $\text{ATP} + \text{urea} + \text{HCO}_3^- = \text{ADP} + \text{phosphate} + \text{urea-1-carboxylate}$

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.