Creative Enzymes®

Urease from Bacteria, Recombinant

Cat. No. NATE-1035

Lot. No. (See product label)

Introduction

Description	Ureases, functionally, belong to the superfamily of amidohydrolases and phosphotriesterases. It is an enzyme that catalyzes the hydrolysis of urea into carbon dioxide and ammonia. The reaction occurs as follows: $(NH_2)_2CO + H_2O \rightarrow CO_2 + 2NH_3$.
Synonyms	Urease

Product Information

Species	Bacteria
Source	E. coli
Form	Lyophilized powder
EC Number	EC 3.5.1.5
CAS No.	9002-13-5
Molecular Weight	60.3 kD α subunit, 11.7 kD β subunit, 11.1 kD γ subunit（SDS-PAGE）
Activity	> 150 Units / mg
Contaminants	NADPH oxidase <0.001%
pH Stability	8.0 - 9.5
Optimum pH	6
Thermal stability	<65°C
Optimum temperature	37°C

Storage and Shipping Information

Storage	Below -20°C