CREATIVE BIOMART®
Assay Kit

Chitinase Activity Assay Kit

Product Information

Product Overview

Chitin is widely found in crustacean shells, insect exoskeletons, mollusk tissues, and fungal cell walls. Chitinase (EC 3.2.1.14) catalyzes chitin hydrolysis and plays a role in antifungal defense, making it a research focus in plant protection.
Chitinase hydrolyzes chitin to produce N-acetylglucosamine, which reacts with p-dimethylaminobenzaldehyde to form a red compound with maximum absorbance at 585 nm. The rate of absorbance increase reflects enzyme activity.

Size

100t/48s

Storage

Store at 2–8 °C. Shelf life: 6 months.

Detection method Spectrophotometer/Microplate Reader

Materials Required but Not Supplied

Balance, water bath, centrifuge, visible spectrophotometer or microplate reader, micro quartz cuvettes or 96-well plates, toluene (for soil samples), distilled water.

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