CREATIVE BIOMART®
Assay Kit

Phenylalnine Ammonialyase (PAL) Activity Assay Kit

Product Information

Product Overview

Significance: PAL (EC 4.3.1.5) is a key enzyme in phenylpropanoid metabolism, widely present in plants and some microbes, contributing to lignin, isoflavonoids, and flavonoid biosynthesis. It plays roles in normal development and pathogen defense.
Principle: PAL catalyzes L-phenylalanine into trans-cinnamic acid and ammonia. Trans-cinnamic acid absorbs maximally at 290 nm; PAL activity is calculated from absorbance increase rate.

Size

50t/48s

Storage

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

Detection method Spectrophotometer

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