

Phenylalanine Ammonia Lyase (PAL) Assay Kit | PAL assay kit

Phenylalanine Ammonia Lyase (PAL) Activity Colorimetric Assay Kit

CATALOG #
AAA332469

PRODUCT SYNONYMS

Phenylalanine Ammonia Lyase (PAL); Phenylalanine Ammonia Lyase (PAL) Activity Colorimetric Assay Kit; PAL assay kit

PRODUCT SPECIFICATIONS

Samples	Plant Tissues
Preparation and Storage	Store at 4 degree C and protected from light upon receipt. Kit has a storage time of est. 12 months from receipt. Shipping: Gel pack with blue ice.

ADDITIONAL INFORMATION

Related Product Information for PAL assay kit	Principle of the Assay: Phenylalanine Ammonia Lyase (PAL) (EC4. 3 15) is widely present in various plants and a few microorganisms. It is a key enzyme and rate-limiting enzyme of phenylpropane metabolism in plants, and has not been found in animals. PAL is closely related to the synthesis of some important secondary substances such as lignin, isoflavone phytoalexins, and flavonoid pigments, and plays an important role in the normal growth and development of plants, disease resistance, and stress resistance. Phenylalanine Ammonia Lyase (PAL) catalyzes the cleavage of L-phenylalanine into trans-cinnamic acid and ammonia. Trans-cinnamic acid has a maximum absorption value at 290 nm. PAL activity is calculated by measuring the rate of increase in absorbance.
Product Categories/Family for PAL assay kit	Cell Metabolism; Biochemical Assay Kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/phenylalanine-ammonia-lyase-pal/332469>