

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

Phenylalanine Ammonia Lyase (PAL) Activity Assay Kit

CATALOG #  
**AAA177799**

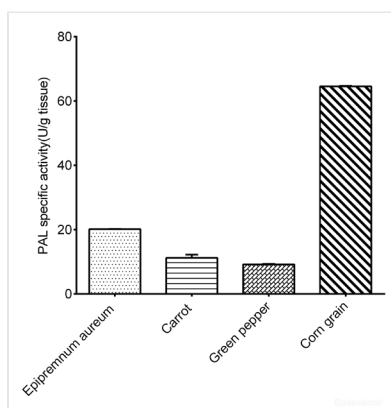
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                                |                                            |
|--------------------------------|--------------------------------------------|
| <b>Samples</b>                 | Plant tissue samples                       |
| <b>Detection Range</b>         | 0.78-156 U/g tissue                        |
| <b>Sensitivity</b>             | 0.78 U/g tissue                            |
| <b>Preparation and Storage</b> | Store at 2-8 degree C. Valid for 12 months |

### IMAGES



Application Data

### ADDITIONAL INFORMATION

#### Related Product Information for PAL assay kit

**Intended Uses:** This kit can be used to detect Phenylalanine ammonia lyase (PAL) activity in plant tissue samples.

**Principle of the Assay:** Phenylalanine ammonia lyase (PAL) can catalyze L-phenylalanine to produce trans-cinnamic acid and ammonia, and trans-cinnamic acid has the maximum absorption peak at 290 nm. PAL activity can be calculated by measuring the increase of OD value at 290 nm.

**Background/Introduction:** Phenylalanine ammonia lyase (PAL) (EC4.3.1.5) is a key enzyme in the metabolism of phenylpropanes in plants. It is closely related to the synthesis of some important secondary substances such as lignin, isoflavones and flavonoid, and plays an important role in the normal growth and development of plants and the process of resisting the invasion of bacteria.

**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.