



Plant 4-Coumarate CoA Ligase Activity Assay kit

Plant 4-Coumarate CoA Ligase (4CL) is one of the key enzymes in lignin biosynthesis, mainly catalyzing cinnamic acid and its hydroxy or methoxy derivatives to generate the corresponding coenzyme A esters, and these intermediate products then enter the branch synthesis pathway of phenylpropane derivatives. The enzyme mainly exist in higher plants, yeasts and fungi.

4CL catalyzes 4-coumaric acid and CoA to generate 4-coumaric acid CoA, which has a characteristic absorption peak at 333 nm.

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| Catalog No. | 251422 |
| Size | 50 Assays / 100 Assays |
| Product Category | Colorimetric Assay |
| Detection Method | Spectrophotometry / Micro-Plate Reader |
| Storage/Stability | -20°C/1 year |
| Shipping | Gel Packs |