



## Angiotensin Converting Enzyme Activity Assay kit

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Angiotensin Converting Enzyme (ACE, EC 3.4.15.1, also called ACE1) is a zinc-containing peptidyl dipeptide hydrolase with a calculated molecular mass of 120-150 kDa. ACE is widely detected in the endothelial cell of organ tissues included lung, brain, kidney. ACE catalyzes the formation of angiotensin I to angiotensin II, which could cause vasoconstriction, promote synthesis and release of adrenocortical hormone aldosterone. It is important to detect ACE activity for diagnosis and treatment of lung, liver, thyroid and other organ diseases. ACE could catalyze FAPGG to form FAP and glycylglycine. FAPGG has a characteristic absorption peak at 340 nm, and ACE activity is calculated by measuring the rate of decrease in absorbance at 340 nm.

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|-------------------|----------------------------------------|
| Catalog No.       | 250554                                 |
| Size              | 50 Assays / 100 Assays                 |
| Product Category  | Colorimetric Assay                     |
| Detection Method  | Spectrophotometry / Micro-Plate Reader |
| Storage/Stability | 2-8°C/6 months                         |
| Shipping          | Gel Packs                              |