



## Phosphoenolpyruvate Carboxykinase Activity Assay kit

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PEPCK (EC 4.1.1.32) is widely found in animals, flowering plants, algae, some fungi and bacteria. This enzyme catalyzes the conversion of oxaloacetate to phosphorus. Acid enolpyruvate is the first rate-limiting enzyme that regulates the gluconeogenesis pathway. PEPCK catalyzes the production of phosphoenolpyruvate and CO<sub>2</sub> from oxaloacetate, and pyruvate kinase and lactate dehydrogenase further catalyze the oxidation of NADH in turn.

As NAD<sup>+</sup>, the decrease rate of NADH can be measured at 340nm to reflect the activity of PEPCK.

Catalog No.	250331
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	UV Spectrophotometry
Storage/Stability	-20°C/1 year
Shipping	Gel Packs