



## Pyrophosphate: Fructose-6-Phosphate-1-Phosphoric Acid Transferase Activity Assay kit

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Pyrophosphate: Fructose-6-phosphate-1-phosphotransferase (PFP, EC2.7.1.90) is a cytosolic enzyme that is widely present in plant tissues and catalyzes the phosphorylation of fructose-6-phosphate like phosphofructokinase. As a result, the single PEP catalytic reaction is a reversible reaction, and pyrophosphate is used instead of ATP, which plays an important role in carbon metabolism of photosynthesis. PFP catalyzes the conversion of fructose 6-phosphate to fructose 1,6-diphosphate, which is converted to dihydroxyacetone phosphate by the action of aldolase and triose phosphate isomerase, and then catalyzed by alpha-phosphate glycerol dehydrogenase and NADH to form Glycerol 3-diphosphate and NAD. The change in absorbance at 340 nm reflects the level of PFP activity.

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| Catalog No.       | 250340                 |
| Size              | 50 Assays / 100 Assays |
| Product Category  | Colorimetric Assay     |
| Storage/Stability | -20°C/6 months         |
| Shipping          | Gel Packs              |