

Fructose-bisphosphate aldolase(FBA) Activity Assay Kit (Microplate Reader)

Cat. No. KITF-019 Lot. No. (See product label)

SPECIFICATION

Product Overview

Fructose 1,6 bisphosphate aldolase (FBA) (EC4.1.2.13) is an important part of the Calvin cycle in glycolysis, gluconeogenesis, pentose phosphate pathway, and photosynthesis. Enzymes, which catalyze the reversible cleavage of fructose 1,6-diphosphate to dihydroxyacetone phosphate and glyceraldehyde 3-phosphate, are widely present in plants, animals and microorganisms, and exhibit different responses under various stress conditions.

FBA catalyzes the production of fructose 1,6-diphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate, and catalyzes NADH and triphosphate under the action of triose phosphate isomerase and α -phosphate glycerol dehydrogenase. Dihydroxyacetone phosphate produces NAD and α -phosphoglycerin. The change in absorbance at 340nm can reflect the level of fructose 1,6-bisphosphate aldolase activity.

Size

100T

Storage

Storage at 4°C

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