

Sucrose Phosphorylase (SP) Assay Kit | SP assay kit

Micro Sucrose Phosphorylase (SP) Activity Assay Kit

CATALOG #
AAA332712

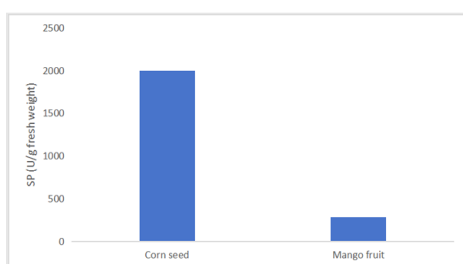
PRODUCT SYNONYMS

Sucrose Phosphorylase (SP); Micro Sucrose Phosphorylase (SP) Activity Assay Kit; SP assay kit

PRODUCT SPECIFICATIONS

Samples	Plant tissues, Fungus
Kit Components	Extraction Buffer Assay Buffer Reagent I Reagent II Reagent III Reagent IV Reagent V Reagent VI Reagent VII
Features & Benefits	The verified samples are complete in type and easy to operate.
Usage Notes	If not assayed immediately, samples can be stored at -80 degree C for one month. It is recommended to perform several dilutions of your sample to ensure the readings are within the standard value range. Fresh samples are necessary for good results. If don't perform the assay at the same time, it's better to complete the Sample Preparation step before storing the samples.
Preparation and Storage	Storage at -20 degree C and Keep from light immediately upon receipt. Kit has a storage time of 6 months from receipt. Refer to list of materials supplied for storage conditions of individual components. Shipping: Gel pack with blue ice.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for SP assay kit	SucrosePhosphorylase (SP, EC2.4.1.7) is mainly present in microorganisms and plants and belongs to the glycosylhydrolase 13 family. It is an enzyme that catalyzes the transfer of glucoside bonds and can catalyze the synthesis of 1-phospho-glucose from sucrose and inorganic phosphate. This enzyme mainly uses sucrose and glucose 1-phosphate as donors, and many substances such as polyhydroxyl sugars, sugar alcohols, phenolic hydroxyl groups, carboxyl groups as receptors to catalyze the synthesis of various glycosides. Micro Sucrose Phosphorylase (SP) Activity Assay Kit can detect plant tissues, fungus samples. In this kit, SP can catalyze sucrose to produce glucose 1-phosphate, which is modified to glucose 6-phosphate under the catalysis of glucose phosphomutase, and reduce NADP+ to generate NADPH under the action of glucose 6-phosphate dehydrogenase, resulting in an increase in the light absorption value of 340nm. The SP activity was reflected by the increase rate of 340nm absorbance.
Product Categories/Family for SP assay kit	Cell analysis; Cell metabolism detection kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/sucrose-phosphorylase-sp/332712>