

Granule-Bound Starch Synthase (GBSS) Assay Kit | GBSS assay kit

Micro Granule-Bound Starch Synthase (GBSS) Activity Assay Kit

CATALOG #
AAA332676

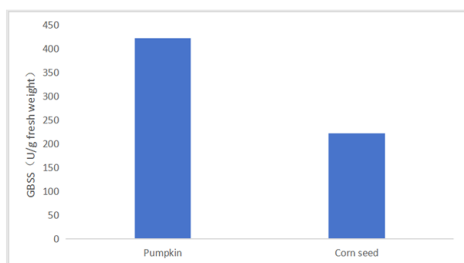
PRODUCT SYNONYMS

Granule-Bound Starch Synthase (GBSS); Micro Granule-Bound Starch Synthase (GBSS) Activity Assay Kit; GBSS; GBSS assay kit

PRODUCT SPECIFICATIONS

Samples	Plant tissues
Kit Components	Extraction Buffer Reagent I Reagent IIA Reagent IIB Reagent IIC Reagent III Reagent IV Reagent V Reagent VI
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 GBSS assay kit	Granule-bound starch synthase (GBSS, EC2.4.1.21) exists in the starch body in a bound state, catalyze the starch chain elongation reaction, and is mainly responsible for the synthesis of amylopectin. Micro Granule-Bound Starch Synthase (GBSS) Activity Assay Kit can detect plant tissues. In this kit, GBSS catalyzes the reaction between ADPG and starch primers (glucan), transfers glucose molecules to starch primers, and generates ADP at the same time. Furthermore, the addition of pyruvate kinase, hexokinase and glucose 6-phosphate dehydrogenase in the reaction system catalyzed the reduction of NADP+to NADPH in turn, where the amount of NADPH generated was proportional to the amount of ADP generated in the previous reaction. GBSS activity could be calculated by measuring the increase of NADPH at 340 nm.
Product Categories/Family for GBSS 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/granule-bound-starch-synthase-gbss/332676>