

beta-glucosidase (beta-GC) Assay Kit | beta-GC assay kit

Micro beta-glucosidase (beta-GC) Activity Assay Kit

CATALOG #
AAA332636

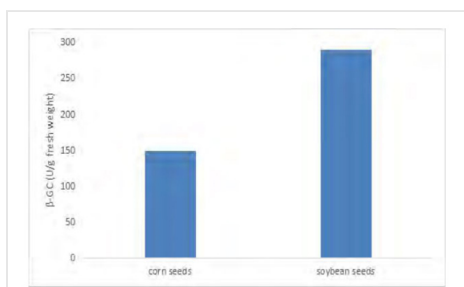
PRODUCT SYNONYMS

beta-glucosidase (beta-GC); Micro beta-glucosidase (beta-GC) Activity Assay Kit; beta-GC assay kit

PRODUCT SPECIFICATIONS

Samples	Animal and Plant Tissues, Bacteria, Serum (Plasma)
Features & Benefits	Provides a simple, sensitive, rapid beta-glucosidase (beta-GC) detection method in plant tissues. Detailed sample preparation and result calculation methods are provided.
Usage Notes	Do not mix the components between different batch numbers and manufacturers; otherwise, the results may be abnormal. Avoid bubbles while mixing or redissolving components. Change pipette tips frequently to avoid cross contamination between components. Ensure that all components and equipment are at the proper temperature before starting the experiment.
Preparation and Storage	Please store the whole kit at -20 degree C upon receipt, and protect from light. The kit is valid for 6 months. Please refer to the table below Materials supplied and Storage conditions to store all the components. It is recommended to use fresh samples, which can be stored at -80 degree C for several weeks if the experiment is not carried out immediately. When measuring, the temperature and time of thawing should be controlled. When thawing at room temperature, the sample should be thawed within 4 h.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for beta-GC assay kit

Principle of the Assay: beta-Glucosidase (beta-GC, EC 3.2.1.21) is widely present in animals, plants, microorganisms, and cultured cells, catalyzing beta-Glycoside bond hydrolysis has multiple physiological effects: in the glycosylation of cellulose, beta-GC is responsible for further hydrolyzing cellulose disaccharides and cellulose oligosaccharides to produce glucose; beta-GC hydrolyzes terpene aroma precursors, causing glycosidic bond states to become free states, thereby producing aroma; beta-GC can hydrolyze wild cherry blossom glycoside in plants, release HCN, and prevent insect feeding. beta-GC decomposition of p-nitrobenzene-beta-D-glucopyranoside generates p-nitrophenol, which has a maximum absorption peak at 400 nm, and is calculated by measuring the rate of increase in absorbance value beta-GC activity.

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://www.aaabiotech.com/assay-kits/beta-glucosidase-beta-gc/332636>