CREATIVE BIOMART®
Assay Kit

?-Glucosidase Activity Colorimetric Assay Kit

Product Information

Cat

Kit-2202

Cat.No. Kit-2202

Product Overview

a-Glucosidase breaks down a-1,4 linked polysaccharides to glucose, which can be utilized as a source of energy.In the biotechnology industry, a-glucosidase is used to produce glucose from intermediate breakdown products of starch hydrolysis generated by enzymes such as amylase. Pompe disease, one of the 12 known glycogen storage diseases, is an autosomal recessive metabolic disorder attributed to a-glucosidase deficiency. In this disease, glycogen accumulates in the lysosomes, resulting in progressive muscle weakness, heart failure and other neurological symptoms. In a-Glucosidase Activity Colorimetric Assay Kit, a-Glucosidase hydrolyzes the Substrate Mix to release the p-nitrophenol that can be measured colorimetrically (OD = 410 nm). This is an easy, quick and high-throughput capable kit that can measure 0.1-10 mU of a-glucosidase activity in a variety of samples.

Applications

Measurement of a-Glucosidase activity in biological samplesScreening a-Glucosidase inhibitors.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

a-Glucosidase Assay Buffer; a-Glucosidase Substrate Mix; a-Glucosidase Positive Control; p-Nitrophenol Standard (100 mM)

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Detection method Absorbance (OD 410 nm)

Features & Benefits

Rapid and easy-to-use.
Highly-sensitive & high-throughput capable;
This assay kit can measure 0.1-10 mU of a-glucosidase activity in a variety of sample.

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