CREATIVE BIOMART®
Assay Kit

Beta Galactosidase (?-Gal) Activity Assay Kit (Fluorometric)

Product Information

Cat

Kit-1093

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Description

Beta Galactosidase (β-Gal, EC: 3.2.1.23) is an enzyme which hydrolyzes the β-galactosides into monosacchanides. β-Gal is widely used as a reporter gene in the field of molecular biology. Senescence Associated β-Gal (SA-β-Gal) is an isoform of β-Gal which has the optimal activity at pH 6.0, and is mostly used as a biomarker for senescent cells. β-Gal is an essential enzyme in humans and its deficiency results in Morquio's Syndrome, a severe birth defect. Beta Galactosidase Activity Assay kit provides a quick and easy way for monitoring Beta Galactosidase activity in a variety of samples. In this kit, Beta Galactosidase hydrolyses a non-fluorescent substrate to generate a strong fluorescent product. The assay is simple, sensitive, and high-throughput adaptable. Detection limit: < 0.1 mU.

Applications

Measurement of β-Galactosidase activity in various samples

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

β-Gal Assay Buffer; β-Gal Substrate (in DMSO); Fluorescein Standard (1 mM); β-Gal Positive Control

Detection method Fluorescence (Ex/Em = 480/520 nm)

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Features & Benefits

Quick and easy method to measure Beta Galactosidase activity.
Detection limit: < 0.1 mU

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