CREATIVE BIOMART®
Assay Kit

Highly Stable Luciferase/Luciferin Reagent Kit

Product Information

Cat.No. Kit-0526

Product Overview

Highly Stable Luciferase/Luciferin Reagent Kit is used for measuring ATP levels in a wide variety of biological samples.

Description

Highly Stable Luciferase/Luciferin Reagent Kit utilizes a genetically modified variant derived from the Luciferase of Diaphanes pectinealis (Chinese Firefly) endemic to Yunnan province, China. luciferase (rLucHS) has been modified to provide enhanced stability compared to the normal phenotype of Photinus pyralis, as well as a broader and more physiologically relevant effective pH range. At all pHs below ~ 8.2, rLucHS is significantly more active than commercial Photinus pyralis luciferase and is stable for weeks at room temperature and >60 min at 37°C. The specific activity of rLucHS is ~ 5 x 1011 RLU/mg protein. This reagent has application to measure ATP levels in a wide variety of biological samples such as cells, tissues and fermentation broth, etc.

Target Species

Mammals

Usage

For research use only (RUO)

Storage

Store vials at -80°C, protected from light; good for 1 year.

Kit Components

StayBrite Reconstitution Buffer. Cap code: clear. 1.2 mlrLucHS Reagent Mix. Cap code: green. 1 vial

Detection method Luminescence

Compatible Sample Types

Cell Homogenate, Fermentation Broth, Tissue Homogenate

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA