

Luciferase

Cat: L7840

Specification: 1mg

Storage: Store at -20°C, and it is valid for 2 years

Product Information

CAS: 61970-00-1

English name: Luciferase

Alias: recombinant enzyme, recombinant luciferase

Appearance (Character): White powder

Molecular Weight: 56kD

Purity: ≥98% SDS-PAGE

Buffer system: 10mM PBS, pH7.4, 0.01% Glycine, 10% Trehalose

Introduction

Luciferase is a kind of enzyme that can catalyze the oxidation of luciferin or aliphatic aldehyde to produce bioluminescence. The luciferase reporter system can be used as an alternative to the bacterial luciferase reporter system, especially for monitoring environmental stress. Due to its low cost and wide range of applications, luciferase is widely used in detecting certain special bacteria, anaerobic microorganisms, monitoring slow-growing microorganisms, and for food, beverage, tap water, cosmetics, drug testing, river water quality, and atmospheric environment monitoring.

This product is recommended for use in platforms such as EIA, CLA, and Later Flow.

Note

1. Strict operating standards and material control should be established for sampling to avoid contamination by microorganisms or proteases.
2. For small-sized packages, it is recommended to centrifuge and recover before opening the lid for sampling. It is recommended to sub-package and store large-sized packages to reduce the number of times of opening and sampling.
3. Avoid violent shocks. Slight flocculent sediment may appear during long-term storage, which can be removed through centrifugation and filtration, and in most cases does not affect use.
4. The product information is for reference only. If you have any questions, please call 400-968-6088 for consultation.
5. The products are all for scientific research use only. Do not use it for medical, clinical diagnosis or treatment, food and cosmetics, etc. Do not store them in ordinary residential areas.
6. For your safety and health, please wear laboratory clothes, disposable gloves and masks to operate.