Certificate of Analysis

Luminescent β-galactosidase Reporter System 3

Catalog No(s).	Amount	Lot Number
631713	each	Specified on product label.

Description

The Luminescent β-galactosidase Reporter System 3 is a complete system for the analysis of transcriptional regulation using the reporter enzyme β-galactosidase. The kit contains two pLacZ reporter vectors and reagents necessary for 100 chemiluminescent assays to detect enzyme activity. The protocol describes chemiluminescent detection of β-galactosidase via a scintillation counter, tube or plate luminometer, or x-ray film.

Package Contents

Box 1:

- 10 µg pLacZ-Basic Vector (500 ng/µl)
- 10 µg pLacZ-Control Vector (500 ng/µl)
- 30 µl Positive Control β-galactosidase

Box 2:

- 25 ml Reaction Buffer
- 500 ml Reaction Substrate

Storage Conditions

- Store pLacZ Vectors and Positive Control β-galactosidase at –20°C
- Store all other components at 4°C. **DO NOT FREEZE.**

Shelf Life

- 6 months from date of receipt under proper storage conditions for Positive Control β-galactosidase, Reaction Buffer, and Reaction Substrate.
- 1 year from date of receipt under proper storage conditions for all other components.

Shipping Conditions

- Blue ice (4°C)

Product Documents

Documents for Clontech® products are available for download at **www.clontech.com/manuals**
The following documents apply to this product:

- Luminescent Beta-Gal User Manual (PT2106-1)
- Luminescent Beta-Gal Protocol-At-A-Glance (PT2106-2)

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Quality Control Data

- Each pLacZ reporter vector was tested for purity and identity by restriction enzyme digestion:

	Enzyme(s)	Fragment(s)*
pLacZ-Basic Vector	Hae II	1.6, 1.1, & 0.9 kb
pLacZ-Control Vector	Hae II	1.8, 1.6, 1.2 & 0.9 kb

*Additional fragments <0.9 kb could not be observed for either vector.

- Plasmid purity was also verified by A_{260}/A_{280}.
- Enzyme assay: 1 µl (1 U) of the Positive Control β-galactosidase was added to 19 µl of a cell lysate prepared from untransfected CHO cells according to the protocol. The enzyme mixture was then assayed according to the protocol as described in the User Manual.

Notice to Purchaser

Luminescent Beta-galactosidase Reporter System 3

CATALOG NO.

631713

NOTICE TO PURCHASER:

Our products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of Clontech Laboratories, Inc.

Your use of this product is also subject to compliance with the licensing requirements listed below and described on the product´s web page at http://www.clontech.com. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

TRADEMARKS:

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