Certificate of Analysis

Ready-To-Glow™ Dual Secreted Reporter Assay

Table of Contents

Catalog No.	Amount	Lot Number
631734	500 rxn	Specified on product label.

Description

The Ready-To-Glow Dual Secreted Reporter Assay contains the buffers and substrates for use with the vectors contained in the Ready-To-Glow Dual Secreted Reporter Vector Kit (Cat. No. 631735). This assay allows you to monitor the activity of two promoters simultaneously. The promoters are monitored by testing the media from cells that have been transfected with the two reporter vectors, which express luciferase and SEAP respectively. The assay allows you to monitor promoter activity over time, because samples of the cell media can be taken repeatedly and tested without lysing cells.

Package Contents

- 8 ml 5X Dilution Buffer
- 50 ml SEAP Substrate Solution
- 20 µl Positive Control Placental AP
- 250 µl Substrate Buffer
- 2.5 ml Reaction Buffer
- 275 µg Lyophilized Secreted Luciferase Substrate

Storage Conditions

- Store all components at –20°C.

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Shipping Conditions

- Domestic: Dry ice (–70°C)
- International: Dry ice (–70°C)

Product User Manuals

User manuals for Clontech products are available for download at www.clontech.com/manuals.
The following user manuals apply to this product:

- Ready-To-Glow Dual Secreted Reporter Assay Protocol-at-a-Glance (PT3940-2)

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(PA923087)

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Quality Control Data

This lot of Ready-To-Glow Dual Secreted Reporter Assays was tested by separate methods for the SEAP and Secreted Luciferase reporter assays:

1. Signal intensity of media supernatant of CHO cells transfected with pMetLuc2-Control was at least 70-fold higher than mock transfected CHO cells 4 hr after initial addition of media.
2. A sample kit was tested in a mock assay using purified placental alkaline phosphatase and the procedure described in the Great EscAPe™ SEAP Chemiluminescence Detection Kit User Manual.

Notice to Purchaser

Metridia Luciferase:

Markova, S.V., Golz, S., Frank, L.A., Kalthof, B. & Vysotski, E.S. (2004) Cloning and expression of cDNA for a luciferase from the marine copepod *Metridia longa*. A novel secreted bioluminescent reporter enzyme. *J.Biol.Chem.* **279**(5):3212–3117.

This document has been reviewed and approved by the Clontech Quality Assurance Department.