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PRODUCT COMPONENTS LIST: Mir-X™ Inducible miRNA System (Green)

CATALOG No. 631120

DESCRIPTION

The Mir-X Inducible miRNA System (Green) contains a set of expression vectors that allows you to establish a Tet-regulated microRNA (miRNA) expression system in mammalian cells (1, 2). An additional feature of the system is that a bright green fluorescent protein marker, ZsGreen1, is coexpressed along with your miRNA, enabling you to verify miRNA expression in intact cells. Inducible expression of the ZsGreen1/pre-miRNA transcript is accomplished by creating a double-stable cell line that expresses the Tet-On® Advanced transactivator and that bears your customized pmRi-ZsGreen1 Vector, and then culturing the cell line in the presence of the tetracycline derivative, doxycycline.

PACKAGE CONTENTS

- 20 µg pmRi-ZsGreen1 Vector (Cat. No. 631121)
 - 20 µg pmRi-ZsGreen1 Vector (500 ng/µl)
 - 20 µg pTRE-Tight-Luc Vector (500 ng/µl)
 - 40 µl Linear Hygromycin Marker (50 ng/µl)
 - 40 µl Linear Puromycin Marker (50 ng/µl)
 - pmRi-ZsGreen1 Vector Information (PT5049-5)
- 20 µg pTet-On Advanced Vector (Cat. No. 631069)
- 50 ml Tet Approved FBS, US-Sourced (Cat. No. 631105)

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:

- Mir-X Inducible miRNA Systems User Manual (PT5050-1)



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REFERENCES

1. Gossen, M. & Bujard, H. (1992) *Proc. Natl. Acad. Sci. USA* **89**:5547–5551.
2. Urlinger, S., *et al.* (2000) *Proc. Natl. Acad. Sci. USA* **97**:7963–7968.

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