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

CATALOG No. 631118

DESCRIPTION

The Mir-X Inducible miRNA System (Red) is 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 red fluorescent protein marker, mCherry, is coexpressed along with your miRNA, enabling you to verify miRNA expression in intact cells. Inducible expression of the mCherry/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-mCherry/miRNA vector, and then culturing the cell line in the presence of the tetracycline derivative, doxycycline.

PACKAGE CONTENTS

- 20 µg pmRi-mCherry Vector (Cat. No. 631119) >> [View Components](#)
 - 20 µg pmRi-mCherry 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-mCherry Vector Information (PT5048-5)
- 20 µg pTet-On Advanced Vector (Cat. No. 631069) >> [View Components](#)
- 50 ml Tet Approved FBS, US-Sourced (Cat. No. 631105) >> Please search our website for your specific lot of FBS at takarabio.com/manuals.

PRODUCT USER MANUALS

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

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

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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