

## RNAiMonitor™

<b>Catalog No.</b>	<b>Amount</b>
631755	100 reactions

### Description

The RNAiMonitor is a system, based on the secreted *Metridia* luciferase reporter, designed to monitor knockdown of RNAi target sequences. It consists of the pRNAiMonitor-MetLuc2 Vector and the Ready-To-Glow™ Secreted Luciferase Reporter Assay.

The unmodified pRNAiMonitor-MetLuc2 vector constitutively expresses *Metridia* luciferase (MetLuc), a secreted reporter protein that can easily be detected in the medium surrounding the cells. When the stuffer fragment, located downstream of the *Metridia* luciferase gene, is replaced by a target sequence (encoding the target of your shRNA or siRNA), a bicistronic mRNA transcript encoding both the *Metridia* luciferase and the target sequence is produced. Target gene knockdown results in the degradation (or translational inhibition) of the mRNA transcript, which causes a proportional decrease in the expression of the reporter protein. The reporter is easily detected with the Ready-To-Glow Secreted Luciferase Reporter Assay, via a one-step reaction that measures the activity of the secreted reporter enzyme in the supernatant of transfected cells, without the need for cell lysis.

### Package Contents

- Ready-To-Glow Reporter Assay (100 rxns) (Cat. No. 631726) >>[View Components](#)
- pRNAiMonitor-MetLuc2 Vector (Cat. No. 631756) (Not sold separately) >>[View Components](#)

For storage conditions, please see the Certificate of Analysis supplied with each component.

### Product Documents

Documents for Clontech® products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals)

The following documents apply to this product:

- Ready-To-Glow Secreted Luciferase Reporter Assay Protocol-at-a-Glance (PT3902-2)
- pRNAiMonitor-MetLuc2 Vector Information

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

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