

pRNAiMonitor-MetLuc2

Catalog No(s).

631756 (Not sold separately)

Sold as part of 631755

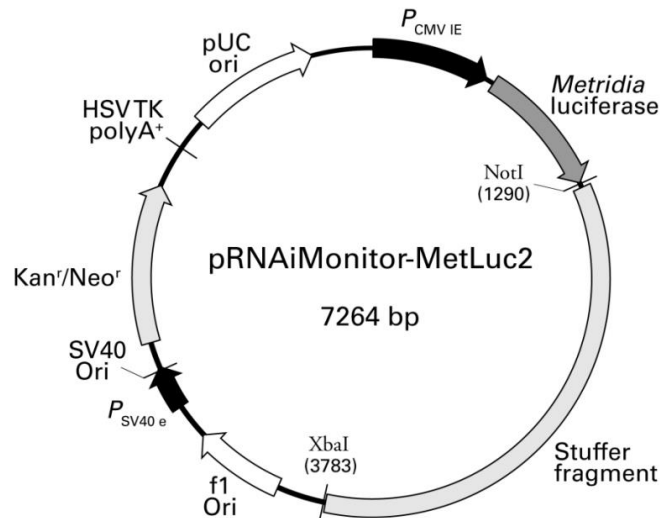


Figure 1. pRNAiMonitor-MetLuc2 vector map. The pRNAiMonitor-MetLuc2 vector can be used to monitor knockdown of your target gene of interest. Target gene knockdown is monitored with the Ready-To-Glow™ Secreted Luciferase Reporter Assay (Cat. No. 631726; included in the RNAiMonitor™).

Clontech Laboratories, Inc.

A Takara Bio Company

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

U.S. Technical Support: tech@clontech.com

United States/Canada 800.662.2566 (041516)	Asia Pacific +1.650.919.7300	Europe +33.(0)1.3904.6880	Japan +81.(0)77.543.6116
--	---------------------------------	------------------------------	-----------------------------

Location of Features

- $P_{CMV\ IE}$ (human cytomegalovirus immediately early promoter): 1–589
- *Metridia* luciferase (human codon optimized): 628–1287
- Cloning site/Stuffer fragment: 1296–3781
- NotI site: 1290; XbaI site: 3783
- $P_{SV40\ e}$ (SV40 early promoter): 4650–4917
- f1 origin of replication: 4020–4475
- SV40 origin of replication: 4816–4951
- Kanamycin/neomycin resistance gene: 5000–5794
- HSV TK polyA⁺ (herpes simplex virus thymidine kinase polyadenylation signals): 6030–6048
- pUC origin of replication: 6379–7022

Propagation in *E. coli*

- Suitable host strains: SCS110 or other *dam*⁻ strains. Single-stranded DNA production requires a host containing an F plasmid such as JM109 or XL1-Blue.
- Selectable marker: plasmid confers resistance to kanamycin (50 µg/ml) in *E. coli* hosts.
- *E. coli* replication origin: pUC
- Copy number: high

References

1. Markova, S.V. *et al.* (2004) *J. Biol. Chem.* **279**(5):3212-3217.
2. Gorman, C. (1985) In *DNA Cloning: A Practical Approach, Vol. II*. Ed. D. M. Glover (IRL Press, Oxford, U.K.) pp. 143–190.

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 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.

Takara and the Takara logo are trademarks of TAKARA HOLDINGS, Kyoto, Japan. AAVpro® is a registered trademark of TAKARA BIO INC.

Clontech®, the Clontech logo, RNAiMonitor, and Ready-To-Glow are trademarks of Clontech Laboratories, Inc. All other trademarks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions. Clontech is a Takara Bio Company. ©2016 Clontech Laboratories, Inc.

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