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## PRODUCT: Ready-To-Glow™ Secreted Luciferase pMetLuc Vector Kit

### CATALOG No.

631729

### AMOUNT

20 µg

### DESCRIPTION

Our Ready-To-Glow Secreted Luciferase pMetLuc Vector Kit includes two vectors, a pMetLuc2-Reporter Vector and a pMetLuc2-Control Vector. The reporter vector can be used as a transcription reporter while the control vector serves as a positive control for constitutive promoter activity in luciferase based assays. For both vectors, promoter activity detected can be directly correlated to the amount of luciferase secreted in the medium. Our Ready-To-Glow Secreted Luciferase pMetLuc Vector Kit has been customized to work optimally with our Ready-To-Glow Secreted Luciferase Reporter Assay (Cat. Nos. 631726, 631727 & 631728).

### LOT NUMBER

Specified on product label.

### STORAGE CONDITIONS

- Store all components at -20°C.
- Spin briefly to recover contents.
- Avoid repeated freeze/thaw cycles.

### STORAGE BUFFER

10 mM Tris-HCl (pH 8.0)  
1 mM EDTA (pH 8.0)

### SHELF LIFE

1 year from date of receipt under proper storage conditions.

### SHIPPING CONDITIONS

Blue ice (4°C) or dry ice (-70°C)

### OTHER

- pMetLuc2-Reporter Vector (PT4059-5)
- pMetLuc2-Control Vector (PT4060-5)
- Ready-To-Glow Secreted Luciferase Reporter System User Manual (PT3902-1)

**CONCENTRATION:** 500 ng/µl

**PLASMID SIZE** (pMetLuc2-Reporter Vector): 4.3 kb

**PLASMID SIZE** (pMetLuc2-Control Vector): 4.8 kb

**CLONING SITES:** AgeI, ApaI, BamHI, BglII, EcoRI, HindIII, PstI, SacI, SacII, SalI, XhoI

### ANTIBIOTIC RESISTANCE

Kanamycin (50 µg/ml)

### PACKAGE CONTENTS

- 20 µg pMetLuc2-Reporter Vector
- 20 µg pMetLuc2-Control Vector

## FOR RESEARCH USE ONLY

### QUALITY CONTROL DATA

- Digestion of pMetLuc2-Reporter Vector with the indicated restriction enzyme(s) produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Enzyme(s)	Fragment(s)
AgeI and NotI	0.7 and 3.6 kb

- $A_{260}/A_{280}$  : 1.8 – 2.0
- Digestion of the pMetLuc2-Control Vector with AgeI and NotI produced fragments of 0.7 and 4.1 kb on a 0.8% agarose/EtBr gel.

### Notice to Purchaser

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S.V. Markova, S. Golz, L.A. Frank, B. Kalthof, and E.S. Vysotski (2004): Cloning and Expression of cDNA for a Luciferase from the marine copepod *Metridia longa*. *J. Biol. Chem* **279**, 3212-3117.

This product is covered by U.S. Patent No. 7,297,483.

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

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