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PRODUCT: Ready-To-Glow™ Dual Secreted Reporter Vector Kit

CATALOG No.
631735

AMOUNT
4 x 20 µg

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

10mM 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)

DESCRIPTION

The Ready-To-Glow Dual Secreted Reporter Vector Kit includes four vectors: a pMetLuc2-Reporter Vector, a pMetLuc2-Control Vector, a pSEAP2-Basic Vector, and a pSEAP2-Control Vector. The reporter vectors can be used as transcription reporters, while the control vectors serve as positive controls for constitutive promoter activity in the luciferase- and SEAP- (a secreted form of human alkaline phosphatase) based assays respectively. For both vector sets, promoter activity can be directly correlated to the amount of reporter (luciferase or SEAP) secreted in the medium. Our Ready-To-Glow Dual Secreted Reporter Vector Kit has been customized to work optimally with our Ready-To-Glow Dual Secreted Reporter Assay (Cat. No. 631734).

CONCENTRATION: 500 ng/µl

PLASMID SIZE (pMetLuc2-Reporter Vector): 4.3 kb

PLASMID SIZE (pMetLuc2-Control Vector): 4.8 kb

PLASMID SIZE (pSEAP2-Basic Vector): 4.7 kb

PLASMID SIZE (pSEAP2-Control Vector): 5.1 kb

CLONING SITES (pMetLuc): AgeI, ApaI, BamHI, BglIII, EcoRI, HindIII, PstI, SacI, SacII, SalI, XhoI

CLONING SITES (pSEAP): Asp718I, KpnI, MluI, NheI, SrfI, XhoI, BglIII, HindIII, BsfBI, NruI, EcoRI

ANTIBIOTIC RESISTANCE

(pMetLuc) Kanamycin (50 µg/ml)

(pSEAP) Ampicillin (100 µg/ml)

PACKAGE CONTENTS

See back of page.

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

See back of page.



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(PA094084)

PACKAGE CONTENTS

- 20 µg pMetLuc2-Reporter Vector
- 20 µg pMetLuc2-Control Vector
- 20 µg pSEAP2-Basic Vector
- 20 µg pSEAP2-Control Vector

OTHER

- pMetLuc2-Reporter Vector (PT4059-5)
- pMetLuc2-Control Vector (PT4060-5)
- pSEAP2-Basic Vector (PT3075-5)
- pSEAP2-Control Vector (PT3074-5)
- Ready-To-Glow Secreted Reporter Systems User Manual (PT3902-1)

QUALITY CONTROL DATA

The following vectors were digested with the indicated restriction enzymes and verified by electrophoresis on a 0.8% agarose/EtBR gel. The purity of the DNA was checked by determining the A_{260}/A_{280} : 1.8 – 2.0.

Vector	Enzymes	Fragments
pMetLuc2-Reporter Vector	AgeI / NotI	0.7 and 3.6 kb
pMetLuc2-Control Vector	AgeI / NotI	0.7 and 4.1 kb
pSEAP2-Basic Vector	HindIII / XbaI	3.1 and 1.5 kb
	Asel / BamHI	1.8, 1.6, and 1.3 kb
pSEAP2-Control Vector	HindIII / XbaI	3.6 and 1.5 kb
	Asel / BamHI	2.0, 1.8, and 1.3 kb

Note: Fragment sizes are estimates; the apparent sum of all fragment sizes for a given digest may not equal the actual size of the plasmid.

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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.