

Certificate of Analysis

pCMV-E2-Crimson Vector

Catalog No.

632556

Amount

20 µg

Lot Number

Specified on product label.

Description

The mammalian CMV promoter in pCMV-E2-Crimson allows the constitutive expression of the far-red Living Colors® fluorescent protein E2-Crimson, driven by the constitutive immediate early promoter of cytomegalovirus (CMV). pCMV-E2-Crimson does not contain an MCS. It can be used for labeling purposes or as a cotransfection marker to determine transfection efficiency. If required, stable transfectants can be selected using G418.

Package Contents

- 20 µg pCMV-E2-Crimson Vector (500 ng/µl)

Storage Conditions

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

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Storage Buffer

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

Concentration

- 500 ng/µl

Shipping Conditions

- Dry ice (–70°C)

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Vector Information Packet (PT5072-5)

Propagation in *E. coli*

- Selectable marker: Plasmids confer resistance to kanamycin (50 µg/ml) in *E. coli* hosts.

Takara Bio USA, Inc.

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Quality Control Data

Plasmid Identity & Purity

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Vector	Enzyme(s)	Fragment(s)
pCMV-E2-Crimson	AfeI	4.6 kb
	NheI & NotI	0.7 & 3.9 kb

- A_{260}/A_{280} : 1.8–2.0

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. 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 our prior written approval.

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STATEMENT 72

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STATEMENT 24

DsRed2, DsRedExpress, DsRedExpress2, E2-Crimson, HcRed and pTimer are covered by one or more of the following U.S. Patent Nos. 7,166,444; 7,150,979; 7,157,565; 7,183,399; 7,858,844; 8,093,450; 8,461,769 and non-

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4/6/2021

Notice to Purchaser



U.S. international equivalents in some countries.

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