

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.

Expiration Date

- Specified on product label.

Storage Buffer

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

Concentration

- 500 ng/µl

Shipping Conditions

- Dry ice

Product Documents

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

The following documents apply to this product:

- pCMV-E2-Crimson Vector Information
- pCMV-E2-Crimson Vector Sequence in GenBank Format

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	Enzymes	Fragments
pCMV-E2-Crimson	AfeI	4.6 kb
	NheI & NotI	0.7 & 3.9 kb

- A_{260}/A_{280} : 1.8–2.0
- Vector identity was confirmed by sequencing.

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 69

The DsRed-Monomer, DsRed Express, E2-Crimson and the Fruit Fluorescent Proteins are covered by one or more of the following U.S. Patents: 7,250,298; 7,671,185; 7,910,714; 8,664,471 and 8,679,749.

TRADEMARKS:

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