

pE2-Crimson-C1 Vector

Catalog No.
632555

Amount
20 µg

Lot Number
Specified on product label.

Description

pE2-Crimson-C1 is a mammalian expression vector designed to express a protein of interest fused to the C-terminus of E2-Crimson, our brightest and fastest-maturing far-red Living Colors® fluorescent protein. E2-Crimson was derived from DsRed-Express2, and retains its fast maturation, high photostability, increased solubility, and low cytotoxicity. The unmodified vector can be used to express E2-Crimson in mammalian cells. If required, stable transfectants can be selected using G418.

Package Contents

- 20 µg pE2-Crimson-C1 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 (PT5071-5)

Propagation in *E. coli*

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

Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA
U.S. Technical Support: technical_support@takarabio.com

United States/Canada
800.662.2566
(040721)

Asia Pacific
+1.650.919.7300

Europe
+33.(0)1.3904.6880

Japan
+81.(0)77.565.6999

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)
pE2-Crimson-C1	AgeI	4.7 kb
	AgeI & KpnI	0.7 & 4.0 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.

pE2-Crimson-C1 Vector

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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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