

pE2-Crimson Vector

Catalog No.
632553

Amount
20 µg

Lot Number
Specified on product label.

Description

pE2-Crimson is a prokaryotic expression vector which encodes 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. pE2-Crimson is primarily intended to serve as a source of E2-Crimson cDNA. The flanking MCS regions make it possible to excise the E2-Crimson coding sequence and insert it into other expression vectors of choice. The vector can also be used in bacteria to produce E2-Crimson protein.

Package Contents

- 20 µg pE2-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:

- Vector Information Packet (PT5069-5)

Propagation in *E. coli*

- Selectable marker: Plasmids confer resistance to ampicillin (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:

Enzyme(s)	Fragment(s)
HindIII	3.3 kb
SphI & SpeI	0.8 & 2.5 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 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.

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Notice to Purchaser



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