

## pE2-Crimson-N1 Vector

**Catalog No.**

632554

**Amount**

20 µg

**Lot Number**

Specified on product label.

### Description

pE2-Crimson-N1 is a mammalian expression vector designed to express a protein of interest fused to the N-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-N1 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](https://www.takarabio.com/manuals)

The following documents apply to this product:

- pE2-Crimson-N1 Vector Information
- pE2-Crimson-N1 vector sequence in GenBank format

### Propagation in *E. coli*

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

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**Takara Bio USA, Inc.**

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U.S. Technical Support: [technical\\_support@takarabio.com](mailto:technical_support@takarabio.com)

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+81.(0)77.565.6999

# Certificate of Analysis

Cat. No. 632554

pE2-Crimson-N1 Vector

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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
pE2-Crimson-N1	NotI	4.7 kb
	NotI & BglII	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-N1 Vector

### CATALOG NO.

632554

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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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4/10/2023

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