

In the interest of conserving resources, we are no longer shipping manuals with products. Please visit www.clontech.com/manuals to obtain an electronic version.

PRODUCT: pE2-Crimson Vector

CATALOG NO.

632553

AMOUNT

20 µg

LOT NUMBER

Specified on product label.

STORAGE BUFFER

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

STORAGE CONDITIONS

- Store plasmid 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.

SHIPPING CONDITIONS

Blue ice (4°C) or
Dry ice (-70°C)

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 (1). 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.

CONCENTRATION: 500 ng/µl

PLASMID SIZE: 3.3 kb

CLONING SITES

3' MCS: ApaI, ApoI, BsiWI, EcoRI, NotI, SpeI
5' MCS: AccI, Acc65I, AgeI, BamHI, HincII, HindIII, KpnI, SalI, SmaI, SphI, XmaI

ANTIBIOTIC RESISTANCE

Ampicillin (50 µg/ml) for propagation in *E. coli*

PACKAGE CONTENTS

- 20 µg pE2-Crimson Vector

OTHER

- Vector Information Packet (PT5069-5)

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

- 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

REFERENCE

1. Strack, R. L. *et al.* (2009) *Biochemistry* **48**(35):8279–8281.



Clontech

United States/Canada
800.662.2566

Asia Pacific
+1.650.919.7300

Europe
+33.(0)1.3904.6880

Japan
+81.(0)77.543.6116

Clontech Laboratories, Inc.
A Takara Bio Company
1290 Terra Bella Ave.
Mountain View, CA 94043
Technical Support (US)
E-mail: tech@clontech.com
www.clontech.com

APPROVED BY: _____

(PA993358)

Notice to Purchaser

Clontech products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, *in vitro* diagnostic purposes, therapeutics, or in humans. Clontech 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 written approval of Clontech Laboratories, Inc.

E2-Crimson:

Living Colors® Fluorescent Protein Products:

Not-For-Profit Entities: Orders may be placed in the normal manner by contacting your local representative or Clontech Customer Service at 650.919.7300. At its discretion, Clontech grants Not-For-Profit Entities a non-exclusive, personal, limited license to use this product for non-commercial life science research use only. Such license specifically excludes the right to sell or otherwise transfer this product, its components or derivatives thereof to third parties. No modifications to the protein coding sequence may be made without express written permission from Clontech. Any other use of this product requires a license from Clontech. For license information, please contact a licensing representative by phone at 650.919.7320 or by e-mail at licensing@clontech.com.

For-Profit Entities wishing to use this product are required to obtain a license from Clontech. For license information, please contact a licensing representative by phone at 650.919.7320 or by e-mail at licensing@clontech.com.

Clontech, Clontech logo, and all other trademarks are the property of Clontech Laboratories, Inc. unless noted otherwise.
Clontech is a Takara Bio Company. ©2009 Clontech Laboratories, Inc.