

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: pHcRed1-DR Vector**CATALOG NO.**
632422**AMOUNT**
20 µg**LOT NUMBER**

Specified on product label.

STORAGE BUFFER10 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 CONDITIONSBlue ice (4°C) or
Dry ice (-70°C)**DESCRIPTION**

pHcRed1-DR is a promoterless vector that encodes HcRed1-DR, a destabilized variant of *Heteractis crispa* far-red fluorescent protein, HcRed1. HcRed1-DR contains a PEST degradation domain at its C-terminus, so it is rapidly turned over in mammalian cell culture. Because of its short half-life, HcRed1-DR is well suited for monitoring the activity of promoters and promoter/enhancer combinations cloned into the multiple cloning site, located upstream of the human codon-optimized HcRed1-DR gene. Without the addition of a functional promoter, this vector will not express HcRed1-DR.

CONCENTRATION: 500 ng/µl**PLASMID SIZE:** 4.3 kb**CLONING SITES**

Age I, Apa I, BamH I, Bgl II, Eco47 III, EcoR I, Hind III, Kpn I, Sac I, Sac II, Sal I, Xho I, Xma I

ANTIBIOTIC RESISTANCEKanamycin (50 µg/ml) for propagation in *E. coli***PACKAGE CONTENTS**

1 tube of pHcRed1-DR Vector

OTHER

- Vector Information Packet (PT3701-5)

FOR RESEARCH USE ONLY**QUALITY CONTROL DATA**

Please see back of page.

**Clontech****United States/Canada**
800.662.2566**Asia Pacific**
+1.650.919.7300**Europe**
+33.(0)1.3904.6880**Japan**
+81.(0)77.543.6116Clontech 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: _____

(PA862784)

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)
<i>Sal</i> I/ <i>Not</i> I	3.4 & 0.9 kb
<i>Sma</i> I	4.3 kb

- A_{260}/A_{280} : 1.8 – 2.0
- The identity of the plasmid was verified by sequencing.

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.

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, the Clontech logo and all other trademarks are the property of Clontech Laboratories, Inc., unless noted otherwise. Clontech is a Takara Bio Company. ©2008 Clontech Laboratories, Inc.