

## pDsRed-Express-C1 Vector

**Catalog No.**  
632430

**Amount**  
20 µg

**Lot Number**  
Specified on product label.

### Description

pDsRed-Express-C1 encodes DsRed-Express, a variant of *Discosoma* sp. red fluorescent protein (DsRed). DsRed-Express contains nine amino acid substitutions (as compared to DsRed1), which improve the solubility, accelerate the maturation, and decrease the level of residual green emission. pDsRed-Express allows genes cloned into the multiple cloning site downstream of the DsRed-Express coding sequence to be expressed as fusions to the C-terminus of DsRed-Express. The unmodified vector will express DsRed-Express in mammalian cells.

### Package Contents

- 1 tube of pDsRed-Express-C1 Vector

### Storage Conditions

- Store plasmids at  $-20^{\circ}\text{C}$ .
- 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 ( $-70^{\circ}\text{C}$ )

### Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

The following documents apply to this product:

- Vector Information Packet (PT3726-5)

### Propagation in *E. coli*

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

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#### Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA  
U.S. Technical Support: [technical\\_support@takarabio.com](mailto:technical_support@takarabio.com)

United States/Canada  
800.662.2566  
(041421)

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:

<b>Vector</b>	<b>Enzyme(s)</b>	<b>Fragment(s)</b>
pDsRed-Express-C1	AgeI	4.7 kb
	StuI	3.2 & 1.5 kb

- Vector identity was confirmed by sequencing.
- $A_{260}/A_{280}$ : 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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### CATALOG NO.

632430

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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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1290 Terra Bella Avenue, Mountain View, CA 94043, USA

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**United States/Canada**

**Asia Pacific**

**Europe**

**Japan**

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