

## pDendra2-C Vector

**Catalog No.**  
632546

**Amount**  
20 µg

**Lot Number**  
Specified on product label.

### Description

pDendra2-C is a mammalian expression vector that encodes Dendra2, a green-to-red photo-switchable fluorescent protein derived from the octocoral *Dendronephthya* sp. An MCS at the 3' end of the coding sequence makes it possible to insert a gene of interest in order to express it as a C-terminal fusion with Dendra2. The unmodified vector can be used to express Dendra2 in mammalian cells.

- **Plasmid Size:** 4.7 kb
- **Antibiotic Resistance:** Kanamycin (50 µg/ml) for propagation in *E. coli* DH5α.

### Package Contents

- 20 µg pDendra2-C Vector (500 ng/µl)

### Storage Conditions

- Store 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)

### Shipping Conditions

- Dry ice

### 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:

- pDendra2 Vectors Protocol-At-A-Glance
- pDendra2-C Vector Information
- pDendra2-C Vector Sequence in GenBank Format

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#### 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:

<b>Vector</b>	<b>Enzymes</b>	<b>Fragments</b>
pDendra2-C	EcoRI	4.7 kb
	SmaI	0.7 & 4.0 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.

632546

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