

pDendra2 Vector

Catalog No.
632544

Amount
20 µg

Lot Number
Specified on product label.

Description

pDendra2 encodes Dendra2, a green-to-red photoswitchable fluorescent protein derived from the octocoral *Dendronephthya* sp. In this vector, the Dendra2 coding sequence can be excised using BamHI and HindIII, for transfer into another vector. The pDendra2 vector also contains a *lac* promoter sequence, and therefore can be used to express Dendra2 in *E. coli*. It is primarily intended to serve as a source of Dendra2 cDNA.

- **Plasmid Size:** 4.1 kb
- **Excision Site:** BamHI
- **Antibiotic Resistance:** Ampicillin (100 µg/ml for propagation in *E. coli* DH5α.)

Package Contents

- 20 µg pDendra2 Vector

Storage Conditions

- Store plasmid 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
The following documents apply to this product:

- pDendra2 Vectors Protocol-At-A-Glance
- pDendra2 Vector Information
- pDendra2 vector sequence in GenBank format

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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	Enzyme	Fragments
pDendra2	SmaI	4.1 kb
	HindIII & BamHI	0.7 & 3.4 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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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our 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 our prior written approval.

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4/10/2023