

## pDsRed-Monomer-N1 Vector

**Catalog No.**  
632465

**Amount**  
20 µg

**Lot Number**  
Specified on product label.

### Description

pDsRed-Monomer-N1 encodes DsRed-Monomer, a monomeric mutant of the *Discosoma* sp. red fluorescent protein DsRed. pDsRed-Monomer-N1 allows genes cloned into the multiple cloning site (MCS) upstream of the DsRed-Monomer coding sequence to be expressed as fusions to the N-terminus of DsRed-Monomer protein. The unmodified vector will express DsRed-Monomer protein in mammalian cells.

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

### Package Contents

- 20 µg pDsRed-Monomer-N1 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)

### Concentration

- 500 ng/µl

### 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:

- pDsRed-Monomer-N1 Vector Information
- pDsRed-Monomer-N1 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> |
|-------------------|----------------|------------------|
| pDsRed-Monomer-N1 | NotI           | 4.7 kb           |
|                   | BglII          | 4.2 & 0.5 kb     |

- $A_{260}/A_{280}$ : 1.8–2.0 for each vector.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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### CATALOG NO.

632465

### NOTICE TO PURCHASER:

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