

## pDsRed-Express-N1 Vector

**Catalog No.**

632429

**Amount**

20 µg

**Lot Number**

Specified on product label.

### Description

pDsRed-Express-N1 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, increase the maturation rate, and decrease the level of residual green emission. pDsRed-Express allows genes cloned into the multiple cloning site (MCS) upstream of the DsRed-Express coding sequence to be expressed as fusions to the N-terminus of DsRed-Express. The unmodified vector will express DsRed-Express in mammalian cells.

### Package Contents

- 1 tube of pDsRed-Express-N1 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 (PT3725-5)

### 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.**

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# Certificate of Analysis

Cat. No. 632429

pDsRed-Express-N1 Vector

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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(s)	Fragment(s)
pDsRed-Express-N1	NotI	4.7 kb
	PstI	4.3 & 0.4 kb

- Vector identity was confirmed by sequencing.
- A<sub>260</sub>/A<sub>280</sub>: 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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