

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°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°C)

Product Documents

Documents for our products are available for download at 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*.

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:

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_{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:

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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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4/5/2021

Notice to Purchaser



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