

pDsRed-Express2 Vector

Catalog No.
632535

Amount
20 µg

Lot Number
Specified on product label.

Description

pDsRed-Express2 is a prokaryotic expression vector that encodes DsRed-Express2, a variant of *Discosoma* sp. red fluorescent protein. pDsRed-Express2 is primarily intended to serve as a source of DsRed-Express2 cDNA. The flanking MCS regions make it possible to excise the DsRed-Express2 coding sequence and insert it into other expression vectors of choice. The vector can also be used in bacteria to produce DsRed-Express2 protein.

Package Contents

- 20 µg pDsRed-Express2 Vector (500 ng/µl)

Storage Conditions

- Store plasmids 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:

- pDsRed-Express2 Vector Information
- pDsRed-Express2 Vector Sequence in GenBank Format

Propagation in *E. coli*

- Selectable marker: Plasmids confer resistance to ampicillin (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	Enzymes	Fragments
pDsRed-Express2	AgeI	3.3 kb
	ApaLI	0.4, 0.8, 0.9 & 1.2 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 69

The DsRed-Monomer, DsRed Express, E2-Crimson and the Fruit Fluorescent Proteins are covered by one or more of the following U.S. Patents: 7,250,298; 7,671,185; 7,910,714; 8,664,471 and 8,679,749.

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4/18/2024

Notice to Purchaser



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