

pDsRed2-Nuc Vector

Catalog No.
632408

Amount
20 µg

Lot Number
Specified on product label.

Description

pDsRed2-Nuc encodes *Discosoma sp.* red fluorescent protein (DsRed2) fused with three copies of the nuclear localization signal (NLS) of the SV40 T-antigen. The NLS sequences are fused to the 3'-end of DsRed2. DsRed2 is a human codon-optimized variant of wild-type DsRed that has been engineered for faster maturation and lower non-specific aggregation. pDsRed2-Nuc is designed for fluorescent labeling of the nucleus in living cells.

Package Contents

- 1 tube of pDsRed2-Nuc Vector

Storage Conditions

- Store plasmid 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

Antibiotic Resistance

- Kanamycin (50 µg/ml for propagation in *E. coli*)

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:

- Vector Information Packet (PT3641-5)

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:

Enzyme(s)	Fragment(s)
StuI	3.2 and 1.5 kb
AseI	4.7 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.

Your use of this product is also subject to compliance with the licensing requirements, listed below if applicable, and described on the product's web page at <http://www.takarabio.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

STATEMENT 24

DsRedExpress, DsRedExpress2, E2-Crimson, and HcRed are covered by one or more of the following U.S. Patent Nos. 7,157,565; 8,664,471; 8,679,749 and non-U.S. international equivalents in some countries.

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