

pDsRed-Monomer-Actin Vector

Catalog No.
632479

Amount
20 µg

Lot Number
Specified on product label.

Description

pDsRed-Monomer-Actin encodes DsRed-Monomer, a monomeric mutant of the *Discosoma* sp. red fluorescent protein DsRed. In this vector, the DsRed-Monomer coding sequence is fused at its C-terminus to full-length human cytoplasmic β-actin. The pDsRed-Monomer-Actin fusion protein incorporates into growing actin filaments, allowing visualization of the actin cytoskeleton in living or fixed cells.

- **Plasmid Size:** 5.8 kb
- **Antibiotic Resistance:** Kanamycin (50 µg/ml) for propagation in *E. coli* DH5α

Package Contents

- 20 µg pDsRed-Monomer-Actin 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

The following documents apply to this product:

- pDsRed-Monomer-Actin Vector Information
- pDsRed-Monomer-Actin Vector Sequence in GenBank Format

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-Monomer-Actin | XhoI | 5.8 kb |
| | BglII | 5.6 & 0.2 kb |

- A_{260}/A_{280} : 1.8–2.0
- Vector identity was confirmed by sequencing.

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.

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