

pDsRed-Monomer-Mem Vector

Catalog No.
632512

Amount
20 µg

Lot Number
Specified on product label.

Description

pDsRed-Monomer-Mem encodes a fusion protein consisting of the DsRed-Monomer red fluorescent protein and the N-terminal membrane-targeting signal of neuromodulin (also called GAP-43). DsRed-Monomer is a monomeric mutant of the *Discosoma* sp. red fluorescent protein DsRed that has been optimized for efficient expression and enhanced brightness in mammalian cells. pDsRed-Monomer-Mem can be used for labeling the plasma membrane.

- **Plasmid Size:** 4.8 kb
- **Antibiotic Resistance:** Kanamycin (50 µg/ml for propagation in *E. coli* cells); G418 (500 µg/ml for selection in mammalian cells)

Package Contents

- 20 µg pDsRed-Monomer-Mem 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-Mem Vector Information
- pDsRed-Monomer-Mem Vector Sequence in GenBank Format

Takara Bio USA, Inc.

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Certificate of Analysis

Cat. No. 632512

pDsRed-Monomer-Mem Vector

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-Mem	AgeI	4.8 kb
	EagI	1.3 & 3.5 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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