

## pmCherry Vector

**Catalog No.**

632522

**Amount**

20 µg

**Lot Number**

Specified on product label.

### Description

pmCherry encodes mCherry, a mutant derived from the tetrameric *Discosoma* sp. red fluorescent protein, DsRed. In this vector, the mCherry coding sequence is flanked by MCS regions, making it easy to excise the gene for use in other cloning applications. pmCherry is primarily intended to serve as a source of mCherry cDNA. We recommend Living Colors® mCherry Monoclonal Antibody (Takara Bio, Cat. No. 632543) and Living Colors DsRed Polyclonal Antibody (Takara Bio, Cat. No. 632496) for use with mCherry.

- **Plasmid Size:** 3.3 kb
- **Antibiotic Resistance:** Ampicillin (50 µg/ml for propagation in *E. coli*)

### Package Contents

- 20 µg pmCherry 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

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**Takara Bio USA, Inc.**

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## Product Documents

Documents for our products are available for download at [takarabio.com/manuals](https://takara.bio.com/manuals)

The following documents apply to this product:

- pmCherry Vector Information
- pmCherry Vector Sequence in GenBank Format

## 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
pmCherry	AgeI	3.3 kb
	PstI	0.4 & 2.9 kb

- Vector identity of each vector was confirmed by sequencing.
- A<sub>260</sub>/A<sub>280</sub>: 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.

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