

pmCherry-C1 Vector

Catalog No.
632524

Amount
20 µg

Lot Number
Specified on product label.

Description

pmCherry-C1 is a mammalian expression vector designed to express a protein of interest fused to the C-terminus of mCherry, a mutant fluorescent protein derived from the tetrameric *Discosoma sp.* red fluorescent protein, DsRed. The unmodified vector can be used to express mCherry in mammalian cells. We recommend mCherry Monoclonal Antibody (Cat. No. 632543) and DsRed Polyclonal Antibody, (Cat. No. 632496) for use with mCherry.

- **Cloning sites:** AccI, ApaI, Asp718, BamHI, BclI, BglII, BspEI, EcoRI, HindIII, KpnI, SacI, SacII, Sall, SmaI, XbaI, XhoI, XmaI
- **Antibiotic resistance:** Kanamycin (50 µg/ml) for propagation in *E. coli*

Package Contents

- 1 tube pmCherry-C1 Vector

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

Plasmid size

- 4.7 kb

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:

- pmCherry-C1 Vector Information
- pmCherry-C1 vector sequence in GenBank format

Takara Bio USA, Inc.

2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: technical_support@takarabio.com

United States/Canada
800.662.2566
(032423)

Asia Pacific
+1.650.919.7300

Europe
+33.(0)1.3904.6880

Japan
+81.(0)77.565.6999

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:

Enzymes	Fragments
AgeI	4.7 kb
PstI	0.4 & 4.3 kb

- A_{260}/A_{280} : 1.8–2.0
- The presence of the correct protein variant 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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STATEMENT 44

The DsRed-Monomer and the Fruit Fluorescent Proteins are covered by one or more of the following U.S. Patents: 7,671,185, 7,911,071 and 8,664,471.

STATEMENT 72

Living Colors Fluorescent Protein Products:

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3/24/2023

Notice to Purchaser



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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