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PRODUCT: pmCherry-1 Vector**CATALOG NO.**

632525

AMOUNT

20 µg

DESCRIPTION

pmCherry-1 encodes mCherry, a mutant derived from the tetrameric *Discosoma sp.* red fluorescent protein, DsRed. pmCherry-1 is a promoterless vector that can be used to monitor transcription from different promoters and promoter/enhancer combinations inserted into the multiple cloning site (MCS). Promoters should be cloned into the pmCherry-1 MCS upstream of the mCherry coding sequence. Without the addition of a functional promoter, this vector will not express mCherry.

LOT NUMBER

Specified on product label.

STORAGE BUFFER

10 mM Tris-HCl (pH 8.0)
1 mM EDTA (pH 8.0)

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.

SHIPPING CONDITIONS

Blue ice (4°C) or
Dry ice (-70°C)

CONCENTRATION: 500 ng/µl**PLASMID SIZE:** 4.1 kb**CLONING SITES**

AccI, AgeI, ApaI, Asp718, BamHI, BglII, Eco47III, EcoRI, HindIII, KpnI, SacI, SacII, SalI, SmaI, XhoI, XmaI

ANTIBIOTIC RESISTANCE

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

PACKAGE CONTENTS

1 tube of pmCherry-1 Vector

OTHER

Vector Information Packet (PT3976-5)

FOR RESEARCH USE ONLY**QUALITY CONTROL DATA**

See back of page.

**Clontech**

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(PA053848)

QUALITY CONTROL DATA

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Enzyme(s)	Fragment(s)
AgeI	4.1 kb
PstI	0.4 & 3.7 kb

- A_{260}/A_{280} : 1.8 – 2.0

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The DsRedMonomer and the Fruit Fluorescent Proteins are covered by one or more of the following U.S. Patents: 7,005,511; 7,157,566; 7,393,923 and 7,250,298.

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This document has been reviewed and approved by the Clontech Quality Assurance Department.