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PRODUCT: pmPlum Vector**CATALOG NO.**

632527

AMOUNT

20 µg

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)

DESCRIPTION

pmPlum encodes mPlum, a mutant derived from the tetrameric *Discosoma sp.* red fluorescent protein, DsRed. In this vector, the mPlum coding sequence is flanked by MCS regions, making it easy to excise the gene for use in other cloning applications. pmPlum is primarily intended to serve as a source of mPlum cDNA.

CONCENTRATION: 500 ng/µl**PLASMID SIZE:** 3.3 kb**CLONING SITES**

AccI, AgeI, ApaI, Asp718, BamHI, BsiWI, EcoRI, HindIII, KpnI, NotI, SalI, SmaI, SpeI, SphI, XmaI

ANTIBIOTIC RESISTANCEAmpicillin (50 µg/ml) for propagation in *E. coli***PACKAGE CONTENTS**

1 tube of pmPlum Vector

OTHER

Vector Information Packet (PT3978-5)

FOR RESEARCH USE ONLY**QUALITY CONTROL DATA**

See back of page.

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(PA053850)

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	3.3 kb
PstI	0.4 & 2.9 kb

- A_{260}/A_{280} : 1.8 – 2.0

NOTE

Clontech is pleased to be able to offer researchers the Fruit Fluorescent Proteins that were developed in the laboratory of Dr. Roger Tsien at the University of California, San Diego. The Tsien group has published extensively on the characteristics and uses of these exciting products, and Clontech can provide you with a bibliography if you have any questions regarding their performance, structure, or applications. Clontech has not repeated the experiments conducted by the Tsien group. The genes, encoding the different proteins, are available in a bacterial source vector format.

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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.

Living Colors Fluorescent Protein Products:

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