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**PRODUCT: pmCherry-N1 Vector****CATALOG NO.**  
632523**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**

pmCherry-N1 is a mammalian expression vector designed to express a protein of interest fused to the N-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.

**CONCENTRATION:** 500 ng/µl**PLASMID SIZE:** 4.7 kb**CLONING SITES**

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

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

1 tube of pmCherry-N1 Vector

**OTHER**

Vector Information Packet (PT3974-5)

**FOR RESEARCH USE ONLY****QUALITY CONTROL DATA**

See back of page.

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(PA053846)

We recommend the following antibodies for use with mCherry:

- mCherry Monoclonal Antibody, Cat. No. 632543
- DsRed Polyclonal Antibody, Cat. No. 632496



**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	4.7 kb
PstI	0.4 & 4.3 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.

Living Colors Fluorescent Protein Products:

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