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, Sall, 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)

We recommend the following antibodies for use with mCherry:
- mCherry Monoclonal Antibody, Cat. No. 632543
- DsRed Polyclonal Antibody, Cat. No. 632496

Certificate of Analysis

United States/Canada
800.662.2566
Asia Pacific
+1.650.919.7300
Europe
+33.(0)1.3904.6880
Japan
+81.(0)77.543.6116

Clontech Laboratories, Inc.
A Takara Bio Company
1290 Terra Bella Ave.
Mountain View, CA 94043
Technical Support (US)
E-mail: tech@clontech.com
www.clontech.com

We recommend the following antibodies for use with mCherry:
- mCherry Monoclonal Antibody, Cat. No. 632543
- DsRed Polyclonal Antibody, Cat. No. 632496

Visit our website for more details!

(PA053846)
QUALITY CONTROL DATA

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

<table>
<thead>
<tr>
<th>Enzyme(s)</th>
<th>Fragment(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AgeI</td>
<td>4.7 kb</td>
</tr>
<tr>
<td>PstI</td>
<td>0.4 &amp; 4.3 kb</td>
</tr>
</tbody>
</table>

- $A_{260}/A_{280}: 1.8 - 2.0$

Notice to Purchaser

Clontech products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. Clontech 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 written approval of Clontech Laboratories, Inc.

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:

Not-For-Profit Entities: Orders may be placed in the normal manner by contacting your local representative or Clontech Customer Service at 650.919.7300. At its discretion, Clontech grants Not-For-Profit Entities a non-exclusive, personal, limited license to use this product for non-commercial life science research use only. Such license specifically excludes the right to sell or otherwise transfer this product, its components or derivatives thereof to third parties. No modifications to the protein coding sequence may be made without express written permission from Clontech. Any other use of this product requires a license from Clontech. For license information, please contact a licensing representative by phone at 650.919.7320 or by e-mail at licensing@clontech.com.

For-Profit Entities wishing to use this product are required to obtain a license from Clontech. For license information, please contact a licensing representative by phone at 650.919.7320 or by e-mail at licensing@clontech.com or click here for more information.

Clontech, the Clontech logo and all other trademarks are the property of Clontech Laboratories, Inc., unless noted otherwise. Clontech is a Takara Bio Company. ©2010 Clontech Laboratories, Inc.

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