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PRODUCT: pDsRed-Monomer-Actin Vector

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| <p>CATALOG NO. 632479</p> <p>LOT NUMBER Specified on product label.</p> <p>STORAGE BUFFER 10 mM Tris-HCl (pH 8.0) 1 mM EDTA (pH 8.0)</p> <p>STORAGE CONDITIONS</p> <ul style="list-style-type: none"> • Store plasmid at -20°C. • Spin briefly to recover contents. • Avoid repeated freeze/thaw cycles. <p>SHELF LIFE 1 year from date of receipt under proper storage conditions.</p> <p>SHIPPING CONDITIONS Blue ice (4°C) or Dry ice (-70°C)</p> | <p>AMOUNT 20 µg</p> <p>DESCRIPTION pDsRed-Monomer-Actin encodes DsRed-Monomer, a monomeric mutant of the <i>Discosoma</i> sp. red fluorescent protein DsRed. In this vector, the DsRed-Monomer coding sequence is fused at its C-terminus to full-length human cytoplasmic β-actin. The pDsRed-Monomer-Actin fusion protein incorporates into growing actin filaments, allowing visualization of the actin cytoskeleton in living or fixed cells.</p> <p>CONCENTRATION: 500 ng/µl</p> <p>PLASMID SIZE: 5.8 kb</p> <p>ANTIBIOTIC RESISTANCE Kanamycin (50 µg/ml) for propagation in <i>E. coli</i> DH5α</p> <p>PACKAGE CONTENTS 1 tube of pDsRed-Monomer-Actin Vector</p> <p>OTHER pDsRed-Monomer-Actin Vector Information Packet (PT3827-5)</p> |
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FOR RESEARCH USE ONLY

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) |
|---------------|--------------|
| <i>Xho</i> I | 5.8 kb |
| <i>Bgl</i> II | 5.6 & 0.2 kb |

- Plasmid purity was analyzed by OD A_{260}/A_{280} measurement and found to be ≥ 1.8 .

APPROVED BY: _____

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Clontech

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

DsRed-Monomer: This product is covered under U.S. Patent No. 7,250,298.

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