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PRODUCT: pRetroQ-DsRed Monomer-C1 Vector

CATALOG No. 632508
AMOUNT 20 µg

LOT NUMBER
Specified on product label.

STORAGE CONDITIONS

- Store all components at -20°C.
- Spin briefly to recover contents.
- Avoid repeated freeze/thaw cycles.

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

SHELF LIFE
1 year from date of receipt under proper storage conditions.

SHIPPING CONDITIONS
Blue ice (4°C) or dry ice (-70°C)

DESCRIPTION
The pRetroQ-DsRed Monomer-C1 vector is a high titer, self-inactivating retroviral expression vector that is optimized to eliminate promoter interference from the upstream LTR in the integrated provirus. This vector expresses a monomeric mutant of the *Discosoma* sp. red fluorescent protein (DsRed). pRetroQ-DsRed Monomer-C1 allows cloning of genes into the multiple cloning site (MCS) downstream of the DsRed-Monomer coding sequence, which are subsequently expressed as fusions to the C-terminus of the DsRed-monomer protein. Together, this vector allows the expression of fluorescent fusion proteins in difficult-to-transfect cells. It also contains a puromycin selection marker for selection of stable integrants. The unmodified vector will express DsRed-Monomer protein and may be used to produce marker virus to optimize infection protocols.

CONCENTRATION: 500 ng/µl

PLASMID SIZE: 7.6 kb

CLONING SITES: *Apa* I, *Bam*HI, *Bst*BI, *Eco*RI, *Sal*I, *Xho*I

ANTIBIOTIC RESISTANCE
Ampicillin (100 µg/ml, for propagation in Fusion-Blue Competent Cells)

PACKAGE CONTENTS

- 1 tube of pRetroQ-DsRed Monomer-C1 Vector
- Retroviral Gene Transfer and Expression User Manual (PT3132-1)
- pRetroQ-DsRed Monomer-C1 Vector Information Packet (PT3882-5)

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

See back of page.

APPROVED BY: _____



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QUALITY CONTROL DATA

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

Enzymes(s)	Fragment(s)
Stu I	4.7, 1.5, 0.9, 0.6 kb

- A_{260}/A_{280} : 1.8 – 2.0

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