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PRODUCT: pRetroQ-AcGFP1-C1 Vector

CATALOG No.

632506

AMOUNT

20 µg

DESCRIPTION

The pRetroQ-AcGFP1-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 green fluorescent protein (GFP) from *Aequorea coerulea*. pRetroQ-AcGFP1-C1 allows cloning of genes into the multiple cloning site (MCS) downstream of the AcGFP1 coding sequence, which are subsequently expressed as fusions to the C-terminus of the AcGFP1 protein. 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 AcGFP1 protein and may be used to produce marker virus to optimize infection protocols.

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)

CONCENTRATION: 500 ng/µl

PLASMID SIZE: 7.6 kb

CLONING SITES: *Apa* I, *Bam*H I, *Bgl* II, *Bst*B I, *Eco*R I, *Sal* I, *Xho* I

ANTIBIOTIC RESISTANCE

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

PACKAGE CONTENTS

- 1 tube of pRetroQ-AcGFP1-C1 Vector
- User Manual (PT3132-1)
- Vector Information Packet (PT3880-5)

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

See back of page.



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APPROVED BY: _____

(PA621509)

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)
<i>Stu</i> I	5.6, 1.5, 0.6 kb

- A_{260}/A_{280} : 1.8 – 2.0

Notice to Purchaser

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