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PRODUCT: pPTuner IRES2 Vector

CATALOG NO. 631036
(Not sold separately)

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
Dry ice (-70°C)

DESCRIPTION

pPTuner IRES2 is a bicistronic vector designed to simultaneously express a protein of interest tagged with a mutant FKBP destabilizing domain (DD) and a green fluorescent protein from *Aequorea coerulea* (AcGFP1), from the same transcript in transfected mammalian cells. This vector contains an internal ribosome entry site (IRES2) of the encephalomyocarditis virus (ECMV). When a gene of interest is inserted into the MCS located upstream of the IRES, both the DD-tagged gene of interest and the AcGFP1 coding region will be translated from a single bicistronic mRNA.

CONCENTRATION: 500 ng/µl

PLASMID SIZE: 5.6 kb

CLONING SITES:
AccI, BamHI, BglIII, Eco47III, EcoRI, PstI, SacI, SacII, Sall, XhoI

ANTIBIOTIC RESISTANCE:
Kanamycin (50 µg/ml) for propagation in *E. coli* DH5α.

PACKAGE CONTENTS

- 1 tube of pPTuner IRES2 Vector
- Vector Information Packet (PT4040-5)

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)
NotI	5.6 kb
NheI	5.3 & 0.3 kb

• Vector identity was confirmed by sequencing.

• A_{260}/A_{280} : 1.8–2.0

APPROVED BY: _____




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AcGFP is covered by U.S. Patent No. 7,432,053.

Living Colors® Fluorescent Protein Products:

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