

pAcGFP1-Nuc Vector

Catalog No.
632431

Amount
20 µg

Lot Number
Specified on product label.

Description

pAcGFP1-Nuc encodes a humanized green fluorescent protein (GFP) derived from *Aequorea coerulea*. The fluorescent protein is fused at its C-terminus to three copies of the nuclear localization signal (NLS) of the SV40 T-antigen. This vector is designed a marker for visualizing the nucleus in living or fixed cells by fluorescence microscopy.

- **Plasmid Size:** 4.8 kb
- **Antibiotic Resistance:** Kanamycin (50 µg/ml for propagation in *E. coli* DH5α)

Package Contents

- 20 µg pAcGFP1-Nuc Vector (500 ng/µl)

Storage Conditions

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

Expiration Date

- Specified on product label.

Storage Buffer

- 10 mM Tris-HCl (pH 8.0), 1 mM EDTA (pH 8.0)

Concentration

- 500 ng/µl

Shipping Conditions

- Dry ice

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- pAcGFP1-Nuc Vector Information
- pAcGFP1-Nuc Vector Sequence in GenBank Format

Takara Bio USA, Inc.

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Quality Control Data

Plasmid Identity & Purity

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

Vector	Enzymes	Fragments
pAcGFP1-Nuc	AgeI	4.8 kb
	MscI	2.6 & 2.2 kb

- A_{260}/A_{280} : 1.8–2.0

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our 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 our prior written approval.

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STATEMENT 39

AcGFP is covered by U.S. Patent Numbers; 7,432,053, 7,667,016, 7,879,988 and 7,897,726.

STATEMENT 72

Living Colors Fluorescent Protein Products:

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