

pAcGFP1-C1 Vector

Catalog No.
632470

Amount
20 µg

Lot Number
Specified on product label.

Description

pAcGFP1-C1 encodes a green fluorescent protein from *Aequorea coerulea* and is designed for studies in mammalian systems. This vector allows expression of a protein of interest as a C-terminal fusion to AcGFP1. The fusion vector can also be used as a cotransfection marker since the unmodified vector will express fluorescent protein. The fluorescent protein coding sequence in this construct has been human codon-optimized for efficient expression and enhanced brightness in mammalian cells.

We recommend the following antibodies for use with AcGFP1:

- A.v. Monoclonal Antibody (JL-8), Cat. Nos. 632380 & 632381
- GFP Monoclonal Antibody, Cat. No. 632375
- Full-Length GFP Polyclonal Antibody, Cat. Nos. 632592 & 632593
- A.v. Peptide Antibody, Cat. Nos. 632376 & 632377

Plasmid size: 4.7 kb

Cloning sites: *Acc* I, *Apa* I, *Asp*718 I, *Bam*H I, *Bcl* I, *Bgl* II, *Bsp*E I, *Eco*R I, *Hind* III, *Kpn* I, *Pst* I, *Sac* I, *Sac* II, *Sal* I, *Sma* I, *Xba* I, *Xho* I, *Xma* I

Antibiotic resistance:

- Kanamycin (30 µg/ml for propagation in *E. coli* cells)
- G418 (500 µg/ml for selection in mammalian cells)

Package Contents

- 20 µg pAcGFP1-C1 Vector

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

Takara Bio USA, Inc.

2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: technical_support@takarabio.com

United States/Canada
800.662.2566
(122122)

Asia Pacific
+1.650.919.7300

Europe
+33.(0)1.3904.6880

Japan
+81.(0)77.565.6999

pAcGFP1-C1 Vector

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-C1 vector information
- pAcGFP1-C1 vector sequence in GenBank format

Quality Control Data

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

Vector	Enzyme	Fragment size
pAcGFP1-C1 Vector	Pvu II	0.6, 1.1 & 3.0 kb
	Age I	4.7 kb

- The presence of the correct fluorescent protein variant was confirmed by sequencing.
- 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.

pAcGFP1-C1 Vector

CATALOG NO.

632470

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.

Your use of this product is also subject to compliance with the licensing requirements, listed below if applicable, and described on the product's web page at <http://www.takarabio.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

STATEMENT 39

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

STATEMENT 72

Living Colors Fluorescent Protein Products:

Not-For-Profit Entities: Orders may be placed in the normal manner by contacting your local representative or Takara Bio USA, Inc. Customer Service. Any and all uses of this product will be subject to the terms and conditions of the Non-Commercial Use License Agreement (the "Non-Commercial License"), a copy of which can be found below. As a condition of sale of this product to you, and prior to using this product, you must agree to the terms and conditions of the Non-Commercial License. Under the Non-Commercial License, Takara Bio USA, Inc. grants Not-For-Profit Entities a non-exclusive, non-transferable, non-sublicensable and limited license to use this product for internal, non-commercial scientific research use only. Such license specifically excludes the right to sell or otherwise transfer this product, its components or derivatives thereof to third parties. No modifications to the product may be made without express written permission from Takara Bio USA, Inc. Any other use of this product requires a different license from Takara Bio USA, Inc. For license information, please contact a licensing representative by phone at 650.919.7320 or by e-mail at licensing@takarabio.com.

For-Profit Entities wishing to use this product are required to obtain a license from Takara Bio USA, Inc. For license information, please contact a licensing representative by e-mail at licensing@takarabio.com.

Not-For-Profit Non-Commercial Use License:

TRADEMARKS:

Takara Bio USA, Inc.

2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: technical_support@takarabio.com

United States/Canada

Asia Pacific

Europe

Japan

12/21/2022

800.662.2566

+1.650.919.7300

+33.(0)1.3904.6880

+81.(0)77.565.6999

Notice to Purchaser



©2022 Takara Bio Inc. All Rights Reserved.

All trademarks are the property of Takara Bio Inc. or its affiliate(s) in the U.S. and/or other countries or their respective owners. Certain trademarks may not be registered in all jurisdictions.

Takara Bio USA, Inc.

2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: technical_support@takarabio.com

United States/Canada

Asia Pacific

Europe

Japan

12/21/2022

800.662.2566

+1.650.919.7300

+33.(0)1.3904.6880

+81.(0)77.565.6999