Certificate of Analysis

pDD-AmCyan1 Reporter

Catalog No.	Amount	Lot Number
632194 (Not sold separately) Sold as a part of 632191.	20 µg	Specified on product label.

Description

pDD-AmCyan1 Reporter is sold as part of the DD-AmCyan1 Reporter System (Cat. No. 632191). pDD-AmCyan1 Reporter is a promoterless vector that can be used to monitor transcription from different promoters and promoter/enhancer combinations inserted into the multiple cloning site (MCS). The gene downstream of the MCS encodes the cyan fluorescent protein AmCyan1, tagged at its N-terminus with the ProteoTuner™ destabilization domain (DD; Banaszynski et al. 2006). In the absence of the Shield1 ligand, the DD tag induces rapid degradation of the fluorescent reporter, minimizing any background caused by leaky promoters; but upon addition of Shield1 at the time of promoter activation, the DD-tagged reporter molecules are stabilized, increasing the signal-to-noise ratio.

Package Contents

- 20 µg pDD-AmCyan1 Reporter

Storage Conditions

- Store 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.

Storage Buffer

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

Concentration

- 500 ng/µl

Shipping Conditions

- Dry ice (–70°C)

Product Documents

Documents for our products are available for download at **takarabio.com/manuals**
The following documents apply to this product:

- DD-Fluorescent Protein Reporter Systems Protocol-At-A-Glance (PT4088-2)
- ProteoTuner Systems User Manual (PT4039-1)

Takara Bio USA, Inc.
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References

Banaszynski, L. A., Chen, L. chun, Maynard-Smith, L. A., Ooi, A. G. L. & Wandless, T. J. A Rapid, Reversible, and Tunable Method to Regulate Protein Function in Living Cells Using Synthetic Small Molecules. *Cell* **126,** 995–1004 (2006).

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:

Enzymes	Fragments (kb)
EcoRI	4.6
AgeI & NotI	1.0 & 3.6

- Vector identity 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.

Notice to Purchaser

pDD-AmCyan1 Reporter

CATALOG NO.

632194

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 57

This product is covered by U.S. Patent No. 8,173,792.

TRADEMARKS:

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