Certificate of Analysis

CHO AA8-Luc Tet-Off® Control Cell Line

Catalog No.
631122 (Not sold separately)

Lot Number
Specified on product label.

Description

CHO AA8-Luc Tet-Off is a Chinese hamster ovary-derived cell line that can be used as a control with all Tet-Off systems (1) and cell lines. This clone: (i) expresses the tetracycline-regulated transactivator Tet-Off, and (ii) contains a stably integrated copy of the firefly luciferase gene under the control of a tetracycline-responsive promoter. Expression of luciferase is induced by the withdrawal of doxycycline (Dox) from the culture medium.

Package Contents

- 1 ml CHO AA8-Luc Tet-Off Control Cell Line (2 x 10^6 cells/tube)

Storage Conditions

- Store cells in liquid nitrogen (–196°C) or in a –150°C freezer

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Storage Medium

- Cell Freezing Medium-DMSO 1X (Sigma-Aldrich Co., Cat. No. C6164)

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:

- Tet-Off and Tet-On Gene Expression Systems User Manual (PT3001-1)
- Tet Cell Lines Protocol-at-a-Glance (PT3001-2)

Cell Type Information

CHO AA8-Luc Tet-Off is a Chinese hamster ovary-derived cell line stably transfected with pUHD15-1, pSV2neo, pTRE-Luc, and pTK-Hyg. This cell line is G418 and hygromycin resistant.

Recommended Cell Culture Medium

Grow the cells in 90% Eagle Minimum Essential Medium (alpha modification), 10% Tet System Approved Fetal Bovine Serum (FBS), 4 mM L-glutamine, 100 µg/ml G418, 100 units/ml penicillin G sodium, 100 µg/ml streptomycin sulfate, and 100 µg/ml hygromycin B, in the presence of 5% CO_2.

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(050918)

References

1. Gossen, M. & Bujard, H. (1992) *Proc. Natl. Acad. Sci. USA* **89**(12):5547-5551.

Quality Control Data

Functional Test

Luciferase activity in the presence and absence of 1 µg/ml doxycycline (Cat. No. 631311) was measured after 48 hr. Induction was found to be at least 1,000-fold when cells were grown in medium containing our Tet System Approved FBS.

Mycoplasma Contamination Test

This lot of cells has been tested and found to be free of *mycoplasma* contamination.

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

Notice to Purchaser

CHO AA8-Luc Tet-Off® Control Cell Line

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631122

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 42

Use of the Tetracycline controllable expression systems (the "Tet Technology") is covered by a series of patents including U.S. Patent # 8383364, # 9181556 , European patents EP # 1954811, #2352833 and corresponding patent claims outside these regions which are proprietary to TET Systems GmbH & Co. KG. Academic research institutions are granted an automatic license with the purchase of this product to use the Tet Technology only for internal, academic research purposes, which license specifically excludes the right to sell, or otherwise transfer, the Tet Technology or its component parts to third parties. Notwithstanding the above, academic and not-for profit research institutions whose research using the Tet Technology is sponsored by for profit organizations, which shall receive ownership to any data and results stemming from the sponsored research, shall need a commercial license agreement from TET Systems in order to use the Tet Technology. In accepting this license, all users acknowledge that the Tet Technology is experimental in nature. TET Systems GmbH & Co. KG makes no warranties, express or implied or of any kind, and hereby disclaims any warranties, representations, or guarantees of any kind as to the Tet Technology, patents, or products. All others are invited to request a license from TET Systems GmbH & Co. KG prior to purchasing these reagents or using them for any purpose. Takara Bio USA, Inc. is required by its licensing agreement to submit a report of all purchasers of the Tet-controllable expression system to TET Systems.

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