

Product Analysis Certificate

CRISPRiTest™ Functional dCas9-Repressor Assay Kit
Cat.# CRITEST



CRISPRiTest™ Functional dCas9-Repressor Assay Kit

Catalog #: CRITEST
Number of Assays: For 5-10 cell lines
Shipment Contents: CRISPRiTest™ Functional dCas9-Repressor Assay Kit
Storage: -80°C
Lot #: 170318905

Description:

Cellecta's CRISPRiTest™ Functional dCas9-Repressor Assay Kit allows you to measure a functional dCas9-Repressor (e.g., dCas9-KRAB) in any mammalian cell system. The CRISPR interference (CRISPRi) system is a modification of the original CRISPR system that uses a targeted sgRNA molecule to direct a "catalytically dead" Cas9 (dCas9) fused with a gene repressor, for example, KRAB (i.e., dCas9-KRAB), to a target a gene promoter on genomic DNA. The recruitment of the Cas9-Repressor to the promoter region then blocks expression of the gene regulated by the promoter.

The CRISPRiTest Kit provides reagents to measure the repressor efficiency of any *Streptococcus pyogenes* dCas9 repressor (dCas9-Rep) hybrid protein in cells designed to be used for CRISPRi experiments, using a FACS-based assay. The kit contains packaged lentiviral constructs expressing dCas9-Rep regulated GFP and a non-regulated RFP protein.

The CRISPRiTest™ Kit provides enough reagents to test 5-10 cell lines for dCas9 repressor efficacy.

Biosafety Level: BSL-2
Shipping Conditions: Dry Ice
Shelf Life: 1 year from date of receipt

Product Information (Cellecta Website):

User Manual

Web: <https://www.cellecta.com/manuals/crispritest-functional-dcas9-repressor-assay-kit/>
PDF: <https://www.cellecta.com/Cellecta-Manual-CRISPRiTest-Functional-dCas9-Repressor-Assay-Kit.pdf>

Kit Contents:

Catalog #	Contents	Lot #	Quantity	Storage
CRITEST	CiT Viral Mix	170318904	500 µl × 1 vial	-80°C
	Transduction Reagent (1000X)	17031401	50 µl × 1 vial	-80°C

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Quality Control

- Contamination-Free: Each lot of CRISPRiTest™ Kit is tested for bacterial contamination.
- Mycoplasma: Each lot of CRISPRiTest™ Kit is certified to be mycoplasma-free, as determined by RT-PCR.
- Functional Test: Each lot of CRISPRiTest™ Kit is tested for functionality in MDA-MB-231 cells, based on the protocol in the User Manual.

Terms and Conditions

Cellecta, Inc. Limited License

Cellecta grants the end user (the "Recipient") of the CRISPRiTest™ Functional dCas9-Repressor Assay Kit (the "Product") a non-transferable, non-exclusive license to use the reagents for internal research use only as described in the enclosed protocols; in particular, research use only excludes and without limitation, resale, repackaging, or use for the making or selling of any commercial product or service without the written approval of Cellecta, Inc. -- separate licenses are available for non-research use or applications. The Product is not to be used for human diagnostics or included/used in any drug intended for human use. Care and attention should be exercised in handling the Product by following appropriate research laboratory practices.

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"This product or service (based upon the Lentiviral Expression System) is sublicensed from Life Technologies Corporation under U.S. Patent Nos. 5,686,279; 5,834,256; 5,858,740; 5,994,136; 6,013,516; 6,051,427; 6,165,782; 6,218,187; 6,428,953; 6,924,144; 7,083,981 and 7,250,299 and corresponding patents and applications in other countries for internal research purposes only. Use of this technology for gene therapy applications or bioprocessing other than for nonhuman research use requires a license from GBP IP, LLC. Please contact GBP IP, LLC 537 Steamboat Road, Suite 200, Greenwich, CT 06830. Use of this technology to make or sell products or offer services for consideration in the research market requires a license from Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008."

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