

Product Analysis Certificate

CRISPRi dCas9-KRAB Expression Plasmid
pRDKCCB-CMV-dCas9-KRAB-2A-Blast (Packaged)
Cat.# SVKRABC9B-VS



CRISPRi dCas9-KRAB Expression Plasmid pRDKCCB-CMV-dCas9-KRAB-2A-Blast (Packaged)

Shipment Contents: pRDKCCB-CMV-dCas9-KRAB-2A-Blast Expression Plasmid (Packaged)
— Store at -80°C

Description:

Cellecta's two-vector lentiviral CRISPRi dCas9-KRAB system can be used for repressing transcription of any target gene *in vivo* or *in vitro* by using a combination of an sgRNA (single guide RNA) expression vector along with a dCas9-KRAB fusion protein expression plasmid. The dCas9-KRAB plasmid expresses "catalytic dead" Cas9 fused to the Krüppel associated box (KRAB) domain. The dCas9-KRAB plasmid also expresses the blasticidin resistance gene. Expression of dCas9-KRAB is stable, and the system can be used in dividing or non-dividing cells or whole model organisms.

The titer of packaged virus provided by Cellecta is functionally determined by transduction of 293T cells and either antibiotic selection assay or PCR titering of integrated lentiviral DNA.

Biosafety Level: BSL-2

Storage: -80°C

Shelf Life: 1 year from date of receipt

Shipping Conditions: Dry Ice

Product Information (Cellecta Website):

User Manual: Please contact Cellecta at tech@cellecta.com.

Vector Info: <https://www.cellecta.com/resources/vector-information/#CRISPRx>

Contents:

Catalog #	Description
SVKRABC9B-VS	CRISPRi dCas9-KRAB Expression Plasmid pRDKCCB-CMV-dCas9-KRAB-2A-Blast (Packaged) Packaged, $> 1 \times 10^7$ TU: 1.16×10^7 TU , 1.55×10^7 TU/ml (150 μ l \times 5 vials) Lot# 17012516; Store at -80°C

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