

Product Analysis Certificate

CRISPRa dCas9-VPH Expression Vector
pRDVCCB-CMV-dCas9-VPH-2A-Blast (Packaged)
Cat.# SVVPHC9B-VS



CRISPRa dCas9-VPH Expression Vector pRDVCCB-CMV-dCas9-VPH-2A-Blast (Packaged)

Shipment Contents: pRDVCCB-CMV-dCas9-VPH-2A-Blast Expression Vector (Packaged)
– Store at -80°C

Description:

Cellecta's two-vector lentiviral CRISPRa dCas9-VPH system can be used for transcription activation 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-VPH fusion protein expression vector. The dCas9-VPH vector expresses “catalytic dead” Cas9 fused to the VP64, p65, and HSF1 transactivation domains. The dCas9-VPH vector also expresses the blasticidin resistance gene. Expression of dCas9-VPH 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
SVVPHC9B-VS	CRISPRa dCas9-VPH Expression Vector pRDVCCB-CMV-dCas9-VPH-2A-Blast (Packaged) Packaged, > 1 x 10 ⁶ TU: 1.11 x 10⁶ TU , 7.39 x 10 ⁶ TU/ml (150 µl x 1 vial) Lot# 17020845; Store at -80°C

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