

## Product Analysis Certificate

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



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

**Shipment Contents:** pRDVCCB-CMV-dCas9-VPH-2A-Blast Expression Plasmid (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 plasmid. The dCas9-VPH plasmid expresses "catalytic dead" Cas9 fused to the VP64, p65, and HSF1 transactivation domains. The dCas9-VPH plasmid 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](mailto:tech@cellecta.com).

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

#### Contents:

Catalog #	Description
SVVPHC9B-VS	<b>CRISPRa dCas9-VPH Expression Plasmid</b> pRDVCCB-CMV-dCas9-VPH-2A-Blast (Packaged) <u>Packaged, &gt; 1 x 10<sup>6</sup> TU:</u> <b>1.54 x 10<sup>6</sup> TU</b> , 5.13 x 10 <sup>6</sup> TU/ml (150 µl x 2 vials) Lot# 180405001; <i>Store at -80°C</i>

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