

# Dharmacon<sup>TM</sup> CRISPRa lentiviral dCas9-VPR nuclease expression particles

## Requirements

2 vials × 25 µL (50 µL total) lentiviral particles in tubes, minimum titer within 10% of  $\geq 1 \times 10^7$  TU/mL (transducing units per mL)

## Itemized list of contents

Lentiviral Particles (net quantity 0.025 mL per vial)  
Dry Ice (net quantity 15 kg)

## CRISPRa lentiviral dCas9-VPR nuclease expression particles

Cat #	Item description	Lot number_Titer*	Volume	Qty
VCAS11918	hCMV-Blast-dCas9-VPR Nuclease	V19112005_1.57 × 10 <sup>7</sup> TU/mL V20020704_1.74 × 10 <sup>7</sup> TU/mL V21021801_1.61 × 10 <sup>8</sup> TU/mL V21070906_1.21 × 10 <sup>7</sup> TU/mL	25 µL	2
VCAS11920	mCMV-Blast-dCas9-VPR Nuclease	V17081802_7.64 × 10 <sup>7</sup> TU/mL V19090602_1.29 × 10 <sup>7</sup> TU/mL	25 µL	2
VCAS11922	hEF1a-Blast-dCas9-VPR Nuclease	V19122004_1.27 × 10 <sup>7</sup> TU/mL V20050706_1.71 × 10 <sup>7</sup> TU/mL V20100202_1.13 × 10 <sup>7</sup> TU/mL	25 µL	2
VCAS11924	CAG-Blast-dCas9-VPR Nuclease	V19021405_1.12 × 10 <sup>7</sup> TU/mL V20020705_1.42 × 10 <sup>7</sup> TU/mL	25 µL	2

## Shipping and storage

Store at -80 °C. CRISPRa lentiviral dCas9-VPR Nuclease Expression Particles are shipped frozen on dry ice and should be stored in a -80 °C freezer immediately upon arrival. Lentiviral particles will remain stable for at least one year without any appreciable loss in titer. When ready to use, thaw the lentiviral particles on ice. The lentiviral titers indicated above for each sample are determined from an aliquot that has been through one freeze-thaw. The vials in this package have not been thawed; therefore, the indicated titers are accurate for the first thaw. However, every subsequent freeze-thaw may result in a decrease in titer of two- to five-fold. Any lentiviral particles remaining after the first thaw can be aliquoted into smaller volumes and stored at -80 °C.

## Classification of CRISPRa lentiviral dCas9-VPR nuclease expression particles

Dharmacon lentiviral particles are not capable of causing permanent disability, life-threatening or fatal disease in otherwise healthy humans or animals, and therefore are not classified as infectious substances under IATA and DOT guidelines.

## Description of goods

Replication-incompetent, viral-like particles of human, mouse and/or rat origin; intended use is for research purposes only. Proper packaging and labeling of shipments will be utilized to ensure safe and timely transit of CRISPRa Lentiviral dCas9-VPR nuclease expression particle products.

## For more information

To find the contact information in your country for your technology of interest, please visit us at [horizondiscovery.com/contact-us](http://horizondiscovery.com/contact-us)

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