

Product Analysis Certificate

CRISPR Cas9 Expression Vector, pRCCB-CMV-Cas9-2A-Blast (Packaged)
Cat.# SVC9B-VS



CRISPR Cas9 Expression Vector pRCCB-CMV-Cas9-2A-Blast (Packaged)

Shipment Contents: pRCCB-CMV-Cas9-2A-Blast (Packaged) — Store at -80°C

Description:

Cellecta's two-vector CRISPR/Cas9 system can be used for knocking out gene expression *in vivo* or *in vitro* by using a combination of an sgRNA (single guide RNA) expression vector along with a Cas9 nuclease expression vector. The CRISPR Cas9 Expression Vector also expresses the blasticidin-resistance gene (BSD). Expression of Cas9 is stable, and the system can be used in dividing or non-dividing cells or whole model organisms.

The plasmid CRISPR Cas9 vector can be packaged into VSV-G pseudotyped viral particles using most commercially-available second or third-generation packaging mixes or Cellecta's second-generation psPAX2/pMD2.G packaging plasmid mix (Ready-to-use Packaging Plasmid Mix, Cat.# CPCP-K2A, 250 µg).

The titer of packaged virus provided by Cellecta is functionally determined by transduction of 293T cells and 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: <https://www.cellecta.com/resources/product-manuals-and-certificates/>

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

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Contents:

Catalog #	Description
SVC9B-VS	CRISPR Cas9 Expression Vector pRCCB-CMV-Cas9-2A-Blast Cas9 Expression Vector (packaged) <u>Packaged, > 2 x 10⁸ TU:</u> 2.10 × 10⁸ TU, 3.50 × 10⁷ TU/ml (500 µl × 12 vials) Lot# 181031018; <i>Store at -80°C</i>

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