

## 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	<b>CRISPR Cas9 Expression Vector</b> pRCCB-CMV-Cas9-2A-Blast Cas9 Expression Vector (packaged) <u>Packaged, &gt; 1 x 10<sup>6</sup> TU:</u> <b>4.60 × 10<sup>6</sup> TU, 5.11 × 10<sup>6</sup> TU/ml (900 µl × 1 vial)</b> Lot# 181010032; <i>Store at -80°C</i>

## Terms and Conditions

### Collecta, Inc. Limited License

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### Life Technologies Corporation End-User Label License for the use of Lentiviral Expression System:

"This product or service (based upon the Lentiviral Expression System) is sublicensed from Life Technologies Corporation under U.S. Patent Nos. 5,686,279; 5,834,256; 5,858,740; 5,994,136; 6,013,516; 6,051,427; 6,165,782; 6,218,187; 6,428,953; 6,924,144; 7,083,981 and 7,250,299 and corresponding patents and applications in other countries for internal research purposes only. Use of this technology for gene therapy applications or bioprocessing other than for nonhuman research use requires a license from GBP IP, LLC. Please contact GBP IP, LLC 537 Steamboat Road, Suite 200, Greenwich, CT 06830. Use of this technology to make or sell products or offer services for consideration in the research market requires a license from Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008."

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