

## Product Analysis Certificate

CRISPR Cas9 Expression Vector, pR-CMV-Cas9-2A-Hygro (Plasmid)  
Cat.# SVC9-PS  
Lot# 16101038



### CRISPR Cas9 Expression Vector pR-CMV-Cas9-2A-Hygro (Plasmid)

**Shipment Contents:** pR-CMV-Cas9-2A-Hygro Cas9 Expression Vector (Plasmid) — Store at -20°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 hygromycin resistance gene. 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 can be functionally determined by transduction of target cells and either antibiotic selection assay or PCR titering of integrated lentiviral DNA.

**Biosafety Level:** BSL-2

**Storage:** -20°C

**Shelf Life:** 2 years from date of receipt

**Shipping Conditions:** Room Temperature, Blue Ice, or Dry Ice

#### Product Information (Cellecta Website):

User Manual: <http://www.cellecta.com/resources/product-manuals-and-certificates/>

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

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### Contents:

| Catalog #                 | Description                                                                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SVC9-PS<br>(was SVC9H-PS) | <b>CRISPR Cas9 Expression Vector</b><br>pR-CMV-Cas9-2A-Hygro (plasmid)<br>Plasmid, 25 µg:<br><b>25 µg</b> , 0.5 µg/µl (50 µl × 1 tube)<br>Lot# 16101038; Store at -20°C |

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