

Product Analysis Certificate

CRISPR Cas9 Expression Plasmid, pRCCH-CMV-Cas9-2A-Hygro (Plasmid)
Cat.# SVC9-PS
Lot# 14080501



CRISPR Cas9 Expression Plasmid

Shipment Contents: pRCCH-CMV-Cas9-2A-Hygro (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 plasmid. The pRCCH-CMV-Cas9-2A-Hygro Cas9 Expression Plasmid 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 Cas9 plasmid DNA 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 lentiviral packaged constructs can be functionally determined by transduction of 293T cells and either antibiotic selection assay or by PCR titering of integrated viral 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: <https://www.cellecta.com/resources/product-manuals-and-certificates/>
Vector Info: <https://www.cellecta.com/resources/vector-information/>

Contents:

Catalog #	Description
SVC9-PS	CRISPR Cas9 Expression Plasmid pRCCH-CMV-Cas9-2A-Hygro (plasmid) <u>Plasmid, 25 µg:</u> 25 µg , 0.5 µg/µl (50 µl × 1 tube) Lot# 14080501; Store at -20°C

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