



CERTIFICATE OF ANALYSIS

Product

Purified AAV9-CAG-GFP (Lot 20-571)

Storage Conditions

The AAV vectors should be stored at -80°C for long term usage. When storing for frequent use, 4°C is recommended. Avoid storing at -20°C.

Shelf Life

5 years when stored at -80°C.

Manufacture Date

2020-December-27

Shipping Conditions

Dry ice overnight

Description

AAV9-CAG-GFP was produced in insect Sf9 cells by dual infection with rBV-inCap9-inRepCap-hr2 (V289) (Fig. 3) and rBV-CAG-GFP (V269R) (Fig. 4).

The vectors were purified through 2 rounds of CsCl ultracentrifugations. The CsCl was removed through buffer exchange with 2 PD-10 desalting columns.

The vectors are for research use only, not for any human use.

QPCR Titer

Lot 20-571: 2E+13 or 1E+14 vg/ mL (final diluted)



Quality Control Data

The vectors were sterilized with 0.22 μ m filter. SDS-PAGE and InstantBlue Staining (Expedeon) verified the purity of the vectors (Fig. 1). DNA agarose electrophoresis verified the DNA quality of the vectors. (Fig. 2). Real-time PCR analysis determined the titers of the AAV samples.

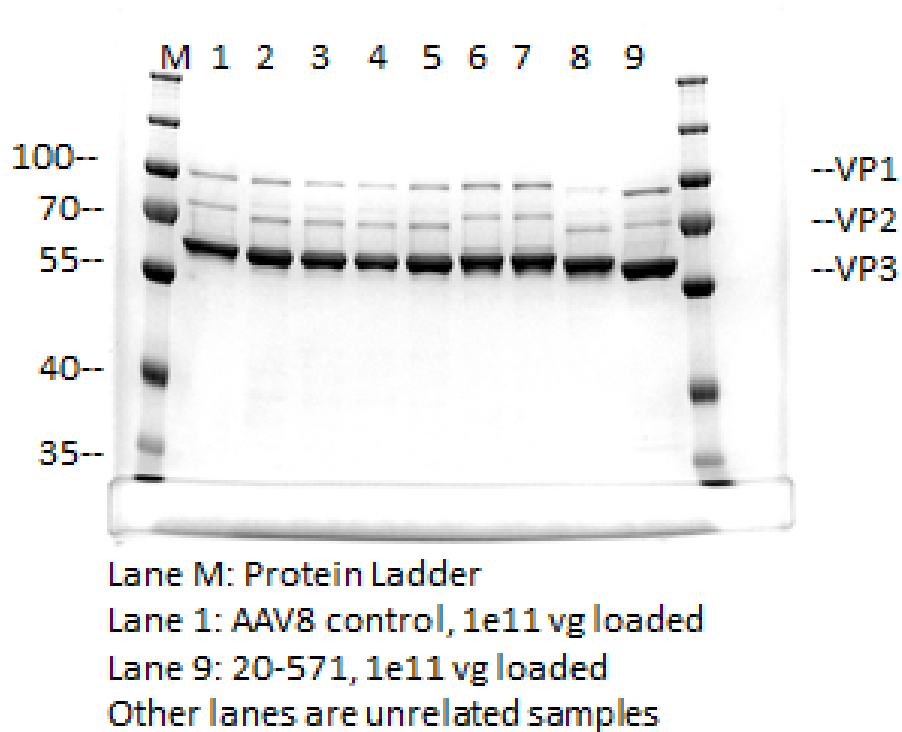
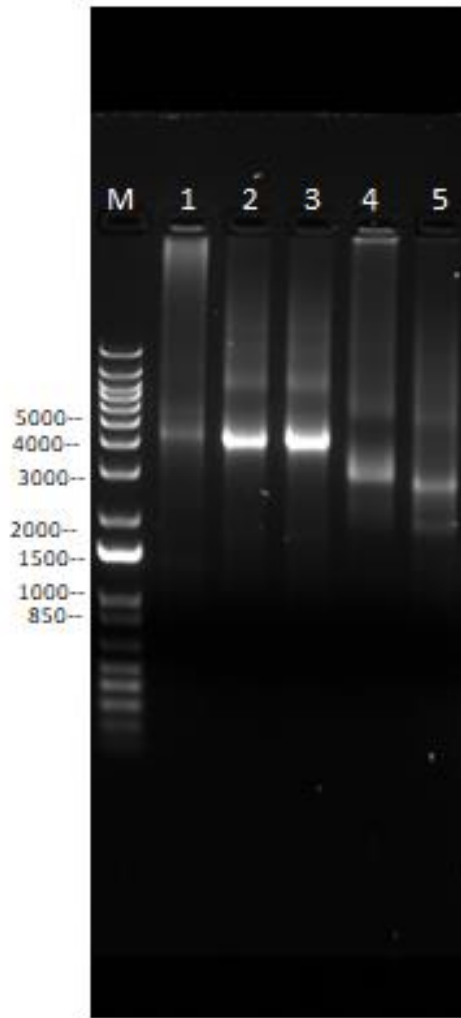


Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV9-CAG-GFP (Lot: 20-571).



Lane M: DNA Ladder
 Lane 5: 20-571, 1e11 vg loaded
 Other lanes and unrelated samples

Fig. 2. DNA agarose electrophoresis of purified AAV9-CAG-GFP (Lot: 20-571).

Endotoxin Assay Result

replicate	Endotoxin Dilution (Eu/ml)					negative control	Lot Number	Lot Number
	0.5	0.25	0.125	0.06	0.03		20-571	20-571
	1	2	3	4	5	WATER	2e13vg/ml	1e14vg/ml
1	+	+	+	+	+	-	-	+
2	+	+	+	+	-	-	-	-

Endotoxin concentration for 1E13vg sample 20-571 is 0.019Eu/ml

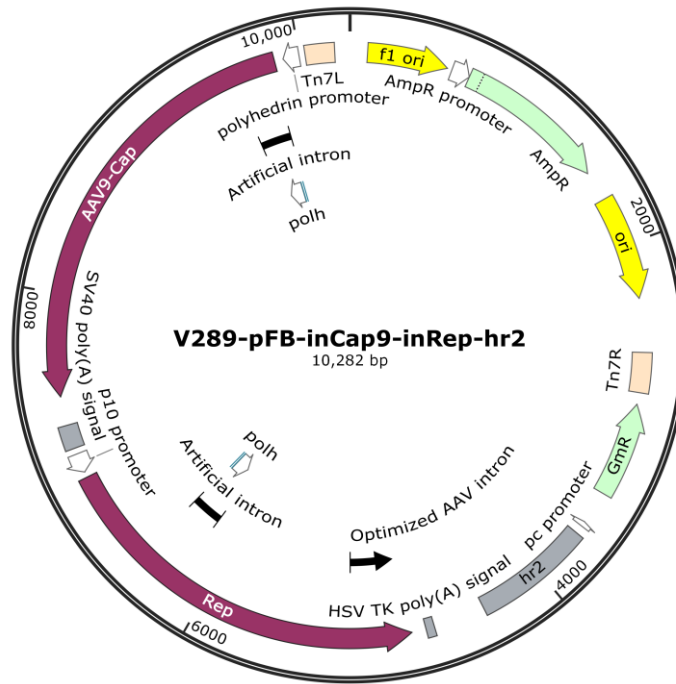


Fig. 3. Diagram of plasmid used to generate rBV-inCap9-inRepCap-hr2 (V289)

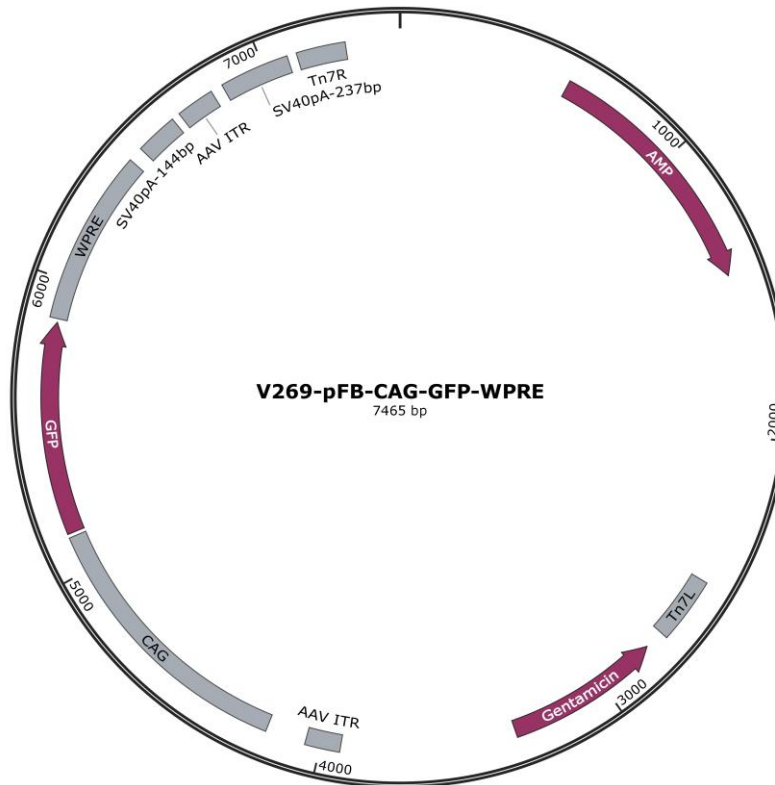


Fig. 4. Diagram of plasmid used to generate rBV- CAG-GFP (V269R)

Approved by: Min Chen Date: 21DEC2020