

Supplementary Data

Supplementary Table S1. *GLP-grade scAAV9-CB-IGF1 quality control data*

<i>Test</i>	<i>Result</i>	<i>Test</i>	<i>Result</i>
Particle titer (vg/mL)	ITR-qPCR: 1.0×10^{13} Dot blot: 1.5×10^{13}	Residual plasmid DNA	400 pg/10 ⁹ vg
Infectious titer	7.7×10^9 IU/mL	Residual Benzonase	<0.01 pg/10 ⁹ vg
Filled capsids (TEM)	82% full	Adventitious virus	Negative
SDS-PAGE/Western blot	Correct MW: VP1, VP2, and VP3	Replication competent AAV	Negative
SDS-PAGE/silver stain	Correct MW: VP1, VP2, and VP3	Endotoxin	<0.5 EU/mL
pH	7.4	Mycoplasma	Negative
Residual cell protein	<11 ng/mL	Sterility <USP 71>	No growth
Residual host cell DNA	5.6 ng/mL		

AAV, adeno-associated virus; EU, endotoxin units; ITR, inverted terminal repeats; IU, infectious units; MW, molecular weight; qPCR, quantitative PCR; SDS-PAGE, sodium dodecyl sulfate–polyacrylamide gel electrophoresis; pg, picograms; TEM, transmission electron microscopy; vg, vector genomes.