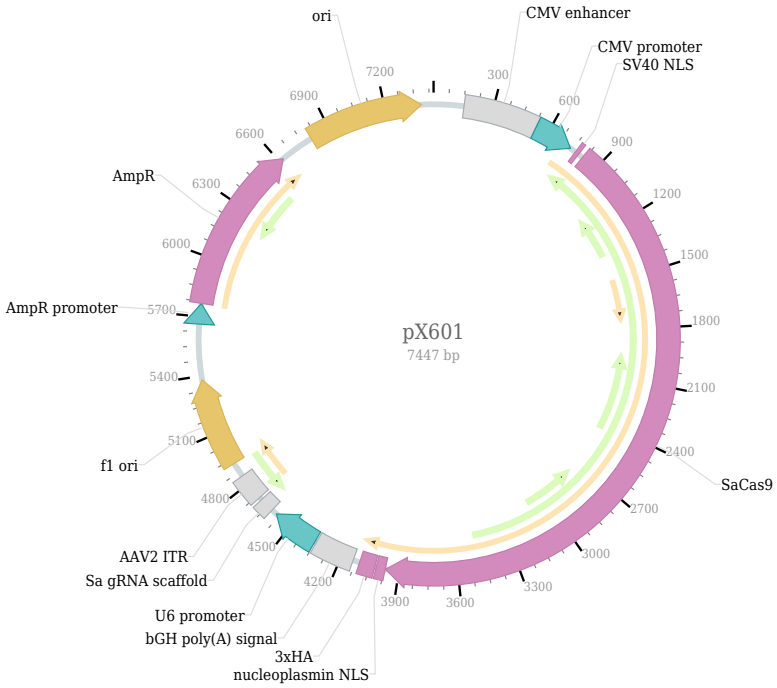
pX601

Vector ID	V012754
Antibiotic Resistance	Ampicillin
Length	7447 bp
Vector Type	CRISPR/Cas

Product Information

Replication Origin	ori
Copy Number	High copy number
Promoter	U6
Fusion Tag	HA
Growth Strain(s)	DH10B
Comment	Also known as pX601-AAV-CMV::NLS-SaCas9-NLS-3xHA-bGHpA;U6::BsaI-sgRNA. It is a single-vector AAV CRISPR platform. CMV drives NLS-SaCas9-3xHA; U6 drives sgRNA cloned via BsaI. It enables SaCas9 (NNGRRT PAM) genome editing in mammalian cells and in vivo AAV delivery.

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.