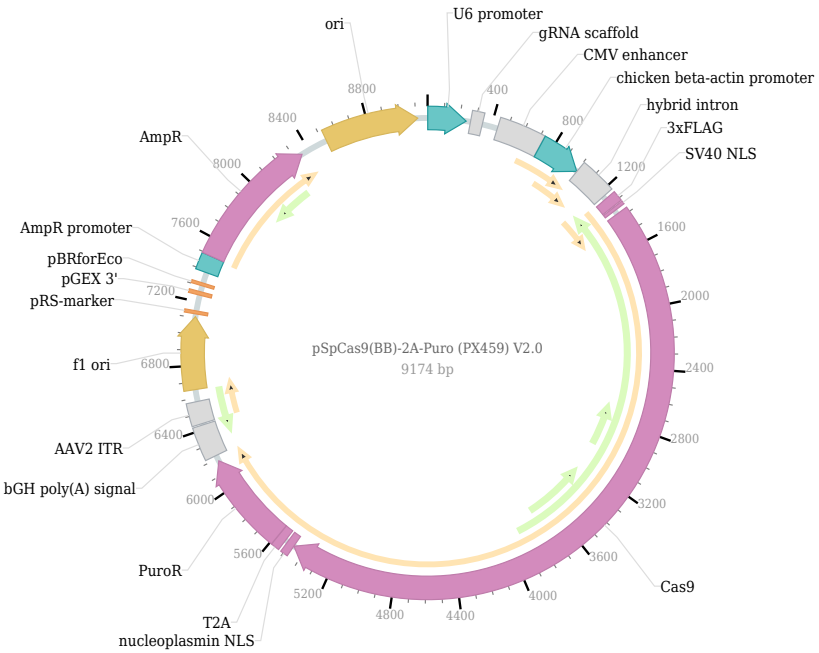
pSpCas9(BB)-2A-Puro (PX459) V2.0

Vector ID	V007275
Antibiotic Resistance	Ampicillin
Length	9174 bp
Vector Type	Mammalian Expression, CRISPR

Product Information

Replication Origin	ori
Selection Marker	Puromycin
Promoter	CBh
Cloning Method	Restriction Enzyme
5' Primer	TTTATGGCGAGGCGGCGG
3' Primer	puro-variant-R (5'-gtgggcttgtactcggtcat-3')
Growth Strain(s)	DH10B
Comment	pSpCas9(BB)-2A-Puro (PX459) V2.0 is a mammalian CRISPR/Cas9 genome editing vector. It expresses Streptococcus pyogenes Cas9 and a single-guide RNA (gRNA) from the Cbh and U6 promoters, respectively. The plasmid includes a puromycin resistance gene for selection in mammalian cells and a 3xFLAG tag on Cas9 for detection.

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 ℃.