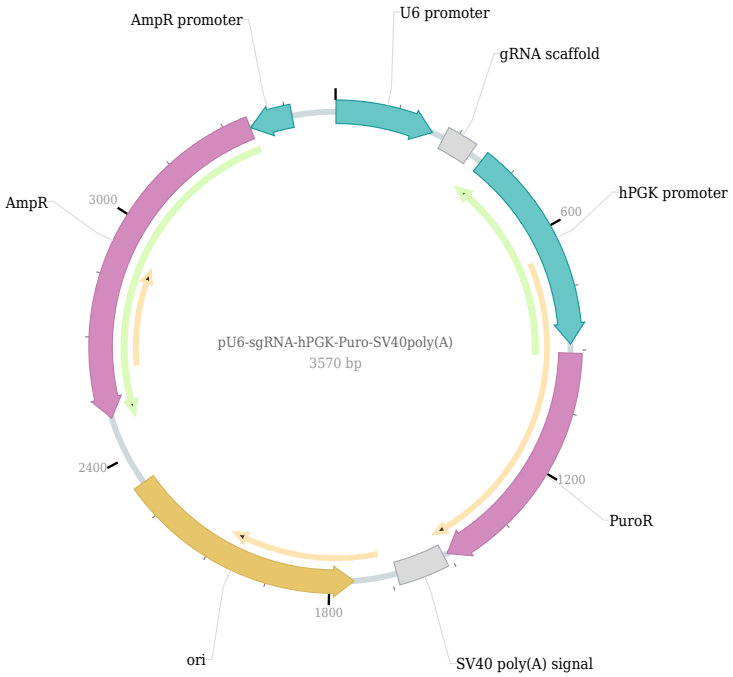
pU6-sgRNA-hPGK-Puro-SV40poly(A)

Vector ID	V013580
Antibiotic Resistance	Ampicillin
Length	3570 bp
Vector Type	Gene knockout
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Puro
Promoter	hPGK
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pU6-sgRNA-hPGK-Puro-SV40poly(A) is a CRISPR sgRNA construct expressing the guide RNA from a U6 Pol III promoter, with hPGK-driven puromycin resistance and an SV40 poly(A) signal. Provides guide delivery and antibiotic selection for genome editing workflows in mammalian cells (Sanjana et al. 2014 lineage).

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 ℃.