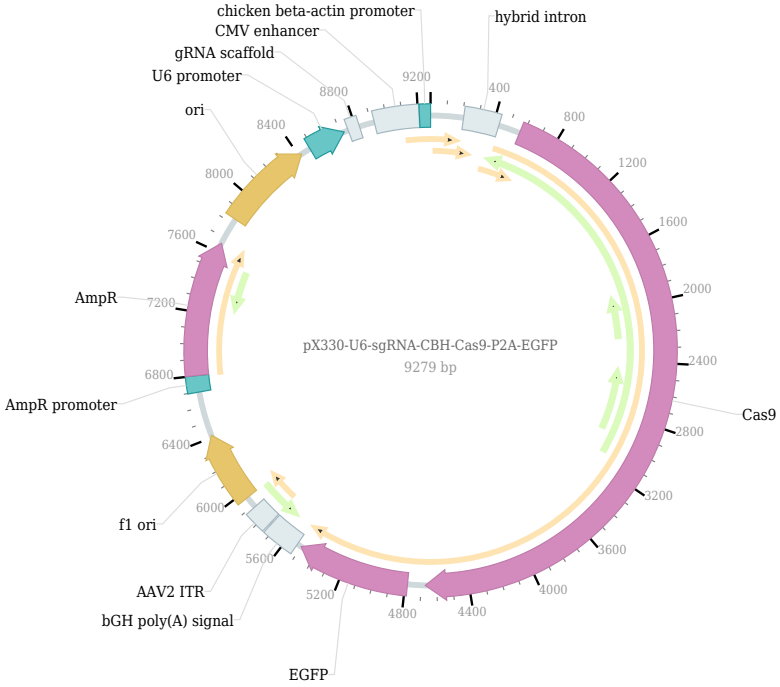
pX330-U6-sgRNA-CBH-Cas9-P2A-EGFP

Vector ID	V013990
Antibiotic Resistance	Ampicillin
Length	9279 bp
Vector Type	Gene knockout
Host	Mammalian cells

Product Information

Replication Origin	ori
Promoter	U6
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pX330-U6-sgRNA-CBH-Cas9-P2A-EGFP is an all-in-one CRISPR/Cas9 vector derived from pX330 (pSpCas9(BB)): U6 promoter for sgRNA, CBh promoter for SpCas9, and P2A-linked EGFP for fluorescence enrichment of edited cells. Enables efficient mammalian genome editing with FACS-based selection (Cong et al. 2013; Ran et al. 2013).

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 ℃.