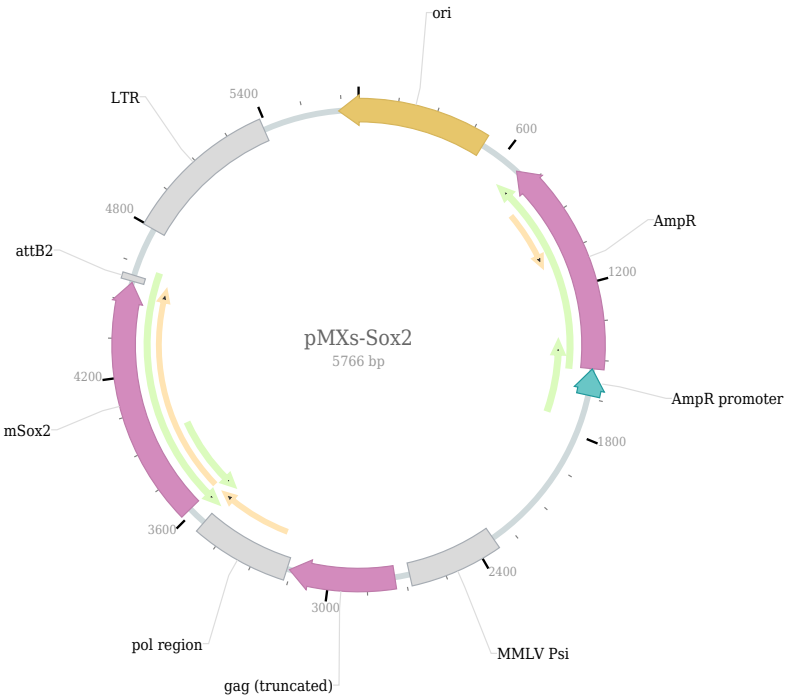
pMXs-Sox2

Vector ID	V010105
Antibiotic Resistance	Ampicillin
Length	5766 bp
Vector Type	Mammalian Expression, Retroviral

Product Information

Replication Origin	ori
Copy Number	High Copy
Cloning Method	Restriction Enzyme
5' Primer	pMX-S1811
Growth Strain(s)	DH10B
Comment	pMXs-Sox2 is a pMXs-based retroviral mammalian expression plasmid driving mouse Sox2. Used with Oct4/Klf4/c-Myc retroviral supernatants, it reprograms mouse fibroblasts into iPSCs.

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 ℃.