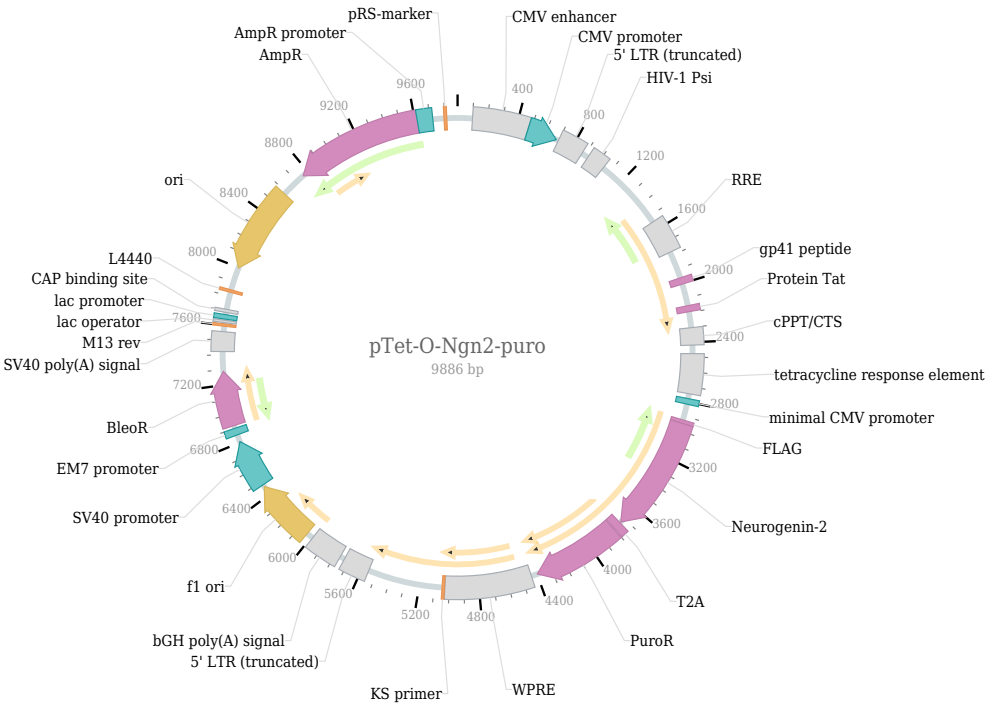
pTet-O-Ngn2-puro

Vector ID	V006881
Antibiotic Resistance	Ampicillin
Length	9886 bp
Vector Type	Mammalian Expression, Lentiviral

Product Information

Replication Origin	ori
Selection Marker	Puromycin
Copy Number	High Copy
Promoter	EM7
Cloning Method	Restriction Enzyme
5' Primer	LNCX
3' Primer	WPRE-R
Growth Strain(s)	Stbl3
Comment	pTet-O-Ngn2-puro is a 3rd-gen lentiviral TetON vector expressing doxycycline-inducible mouse Ngn2 via T2A-Puro, enabling rapid, selectable conversion of human iPSCs/pluripotent cells into functional induced neurons.

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 ℃.