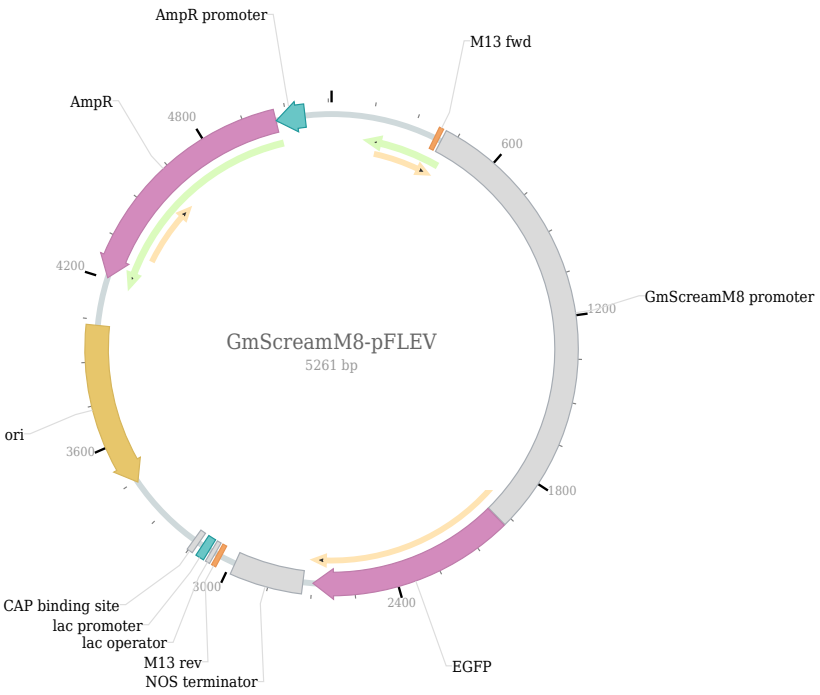
GmScreamM8-pFLEV

Vector ID	V009937
Antibiotic Resistance	Ampicillin
Length	5261 bp
Vector Type	Cloning vector

Product Information

Replication Origin	ori
Source/Author	Zhang N, McHale LK, Finer JJ.
Growth Temperature	37℃
Comment	GmScreamM8-pFLEV is a ~5.3 kb plant binary/cloning vector built around the GmScreamM8 promoter—a constitutive, high-activity soybean eEF1A-derived promoter (~1.6 kb)[1] that drives EGFP as reporter, terminated by the NOS terminator. Backbone carries pUC ori, AmpR, and a lac operator for bacterial repression. GenBank: KX252734[2]

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 ℃.