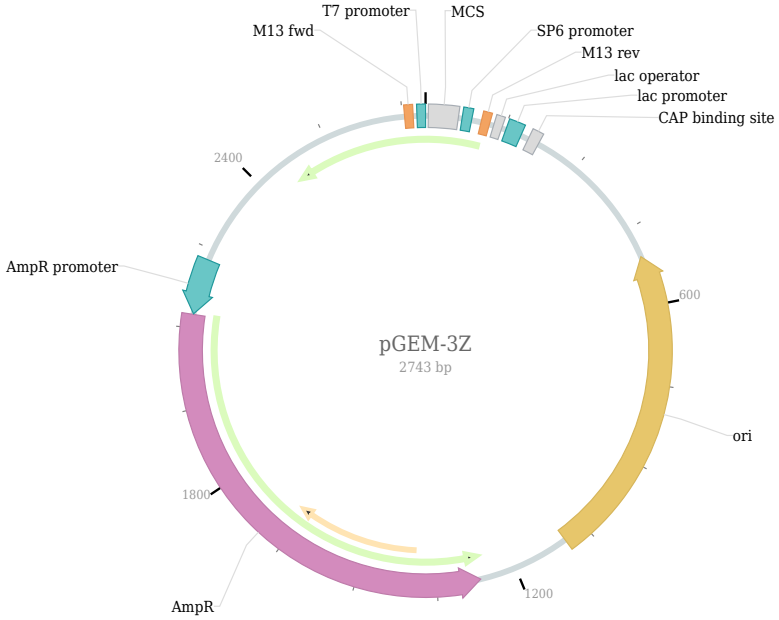
pGEM-3Z

Vector ID	V012483
Antibiotic Resistance	Ampicillin
Length	2743 bp
Vector Type	Cloning Vectors

Product Information

Replication Origin	ori
Source/Author	Promega
Copy Number	High copy number
Promoter	SP6
5' Primer	M13 fwd
3' Primer	M13 rev
Comment	pGEM-3Z is a high-copy cloning/transcription vector (AmpR) derived from pUC18. T7 and SP6 promoters flanking the MCS enable in vitro transcription of either strand of an insert, while the lacZ α-peptide permits blue/white recombinant selection. Ideal for routine cloning, sequencing, and RNA probe preparation.

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 ℃.