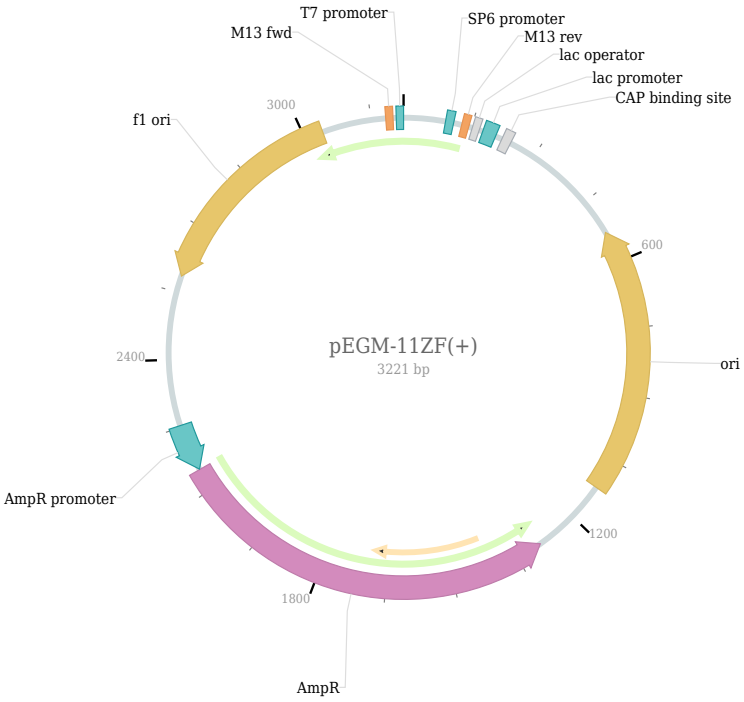
pEGM-11ZF(+)

Vector ID	V007306
Antibiotic Resistance	Ampicillin
Length	3221 bp
Vector Type	E. coli Cloning Vectors

Product Information

Replication Origin	ori
Promoter	SP6
Cloning Method	Enzyme digestion and ligation
Comment	The pGEM-11Zf(+) Vector can be used as a standard cloning vector and as a template for in vitro transcription and the production of ssDNA. The plasmid contains T7 and SP6 RNA polymerase promoters flanking a multiple cloning region within the alpha-peptide coding region of beta-galactosidase. Insertional inactivation of the alpha-peptide allows recombinant clones to be identified directly by color screening on indicator plates when using appropriate E.coli strains (e.g., JM109, DH5alpha, XL1-Blue). The multiple cloning region contains unique restriction sites for SfiI, SacI, EcoRI, SalI, XhoI, BamHI, ApaI, XbaI, NotI, SphI, NsiI and HindIII.

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 ℃.