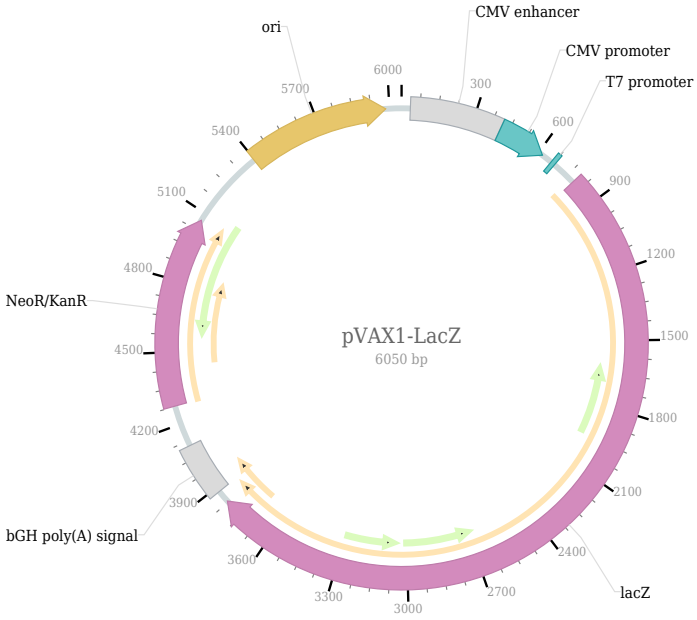
pVAX1-LacZ

Vector ID	V014087
Antibiotic Resistance	Kanamycin
Length	6050 bp
Vector Type	DNA vaccine, Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Promoter	CMV
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pVAX1-LacZ is a DNA vaccine reporter plasmid carrying the E. coli lacZ (beta-galactosidase) gene under the CMV promoter. The minimal kanamycin-resistant backbone meets DNA vaccine design criteria, while lacZ enables X-gal/ONPG monitoring of delivery, expression, and formulation performance.

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 ℃.