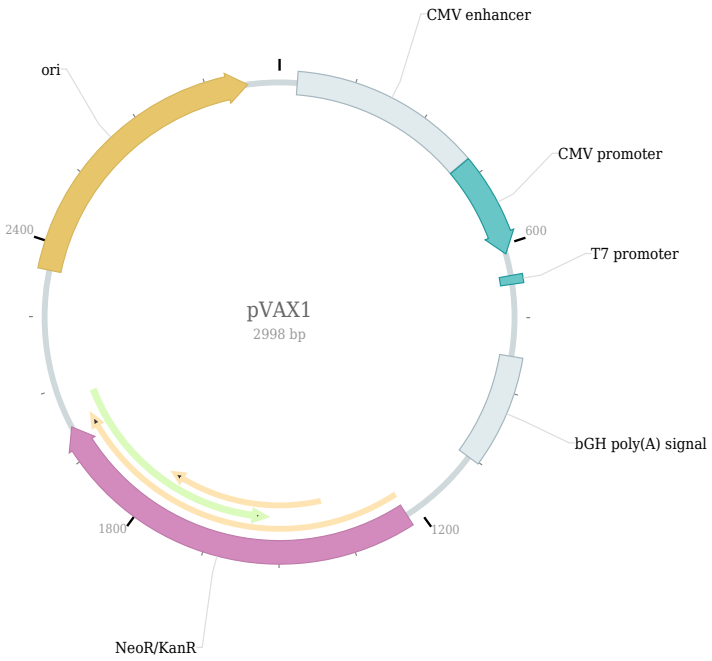
pVAX1

Vector ID	V012769
Antibiotic Resistance	Kanamycin
Length	2998 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Invivogen
Copy Number	High copy number
Promoter	CMV
Cloning Method	Enzyme Cut
5' Primer	CMV-F: CGCAAATGGGCGGTAGGCGTG
3' Primer	BGH Reverse: TAGAAGGCACAGTCGAGG
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	pVAX1 is a mammalian expression vector designed for DNA vaccine development. It features a CMV promoter for high-level expression in eukaryotic cells, a kanamycin resistance gene, and a pUC origin for propagation in E. coli.

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 ℃.