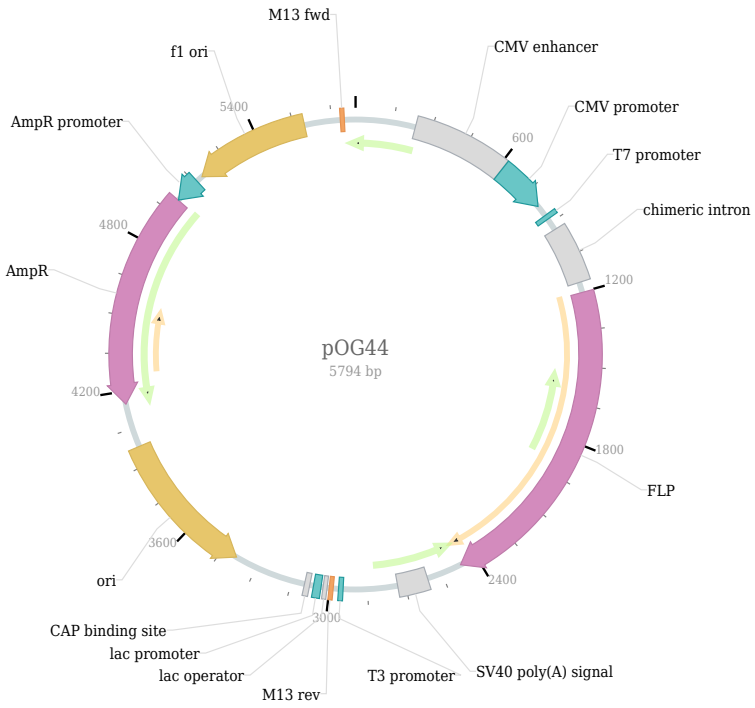
pOG44

Vector ID	V011094
Antibiotic Resistance	Ampicillin
Length	5794 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Ben Glick
Copy Number	High copy number
Promoter	CMVd2
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pOG44 is a 5,794 bp mammalian expression plasmid encoding the Flp recombinase under the control of a CMV promoter. It is co-transfected with a pcDNA5/FRT vector to enable site-specific integration of a gene of interest into the genome of Flp-In host cell lines via FRT sites. In bacteria, it is selected with ampicillin.

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 ℃.