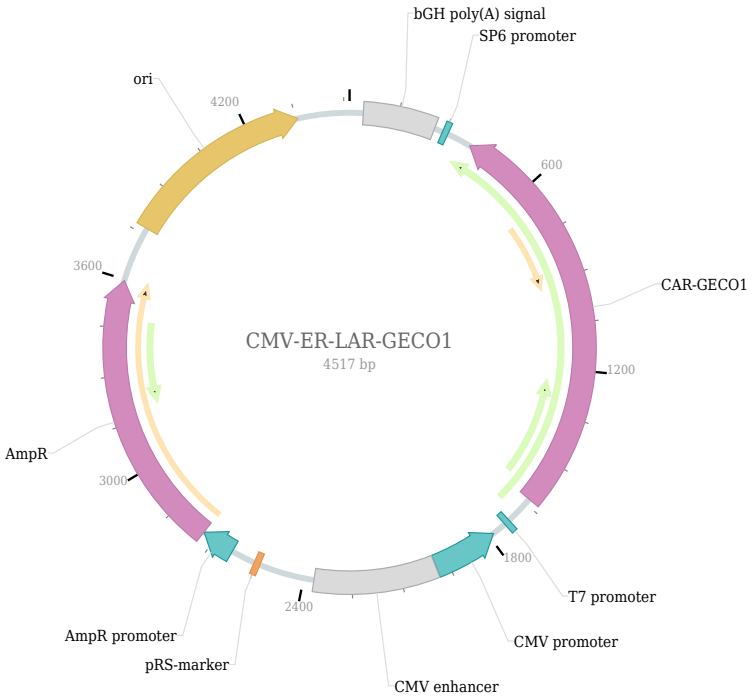
CMV-ER-LAR-GECO1

Vector ID	V010143
Antibiotic Resistance	Ampicillin
Length	4517 bp
Vector Type	Mammalian Expression

Product Information

Replication Origin	ori
Copy Number	High Copy
Promoter	CMV
Cloning Method	Restriction Enzyme
5' Primer	TAATACGACTCACTATAGGG
3' Primer	TAGAAGGCACAGTCGAGG
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The CMV-ER-LAR-GECO1 is designed for mammalian cells, driving the expression of the genetically encoded calcium indicator LAR-GECO1 specifically within the endoplasmic reticulum (ER).

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 ℃.