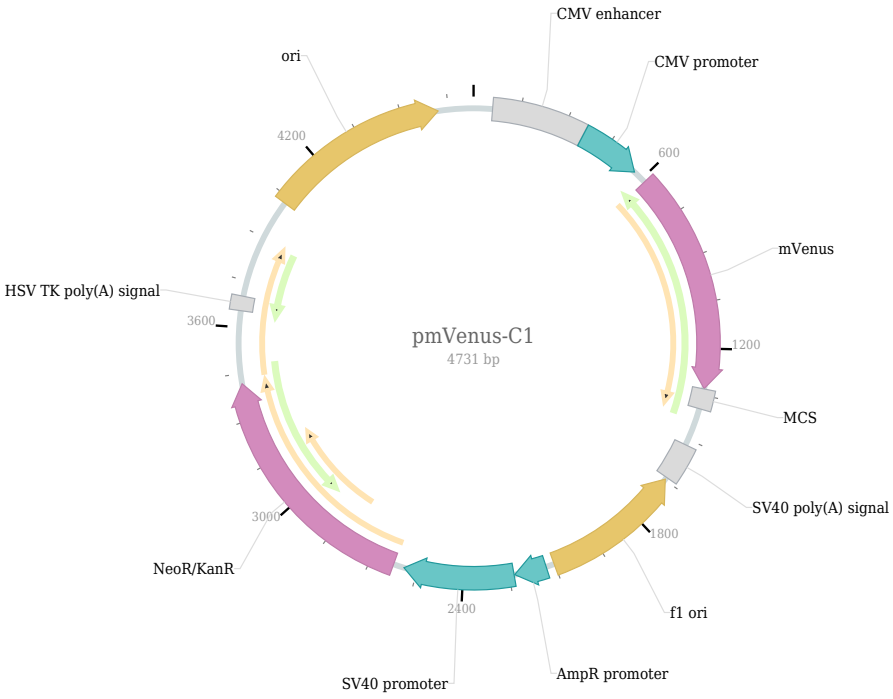
pmVenus-C1

Vector ID	V006557
Antibiotic Resistance	Kanamycin
Length	4731 bp
Vector Type	Fluorescent Protein Reporter Vectors

Product Information

Replication Origin	ori
Selection Marker	Neomycin (select with G418)
Promoter	CMV
Growth Strain(s)	DH10b
Growth Temperature	37℃
Comment	pmVenus-C1 is a mammalian fusion expression vector on a pEGFP-C1-type backbone carrying Venus, a fast-maturing, bright YFP variant with reduced pH and halide sensitivity (Nagai et al. 2002). The C1 configuration fuses Venus to the N-terminus of target proteins for localization, FRET, and live-cell imaging.

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 ℃.