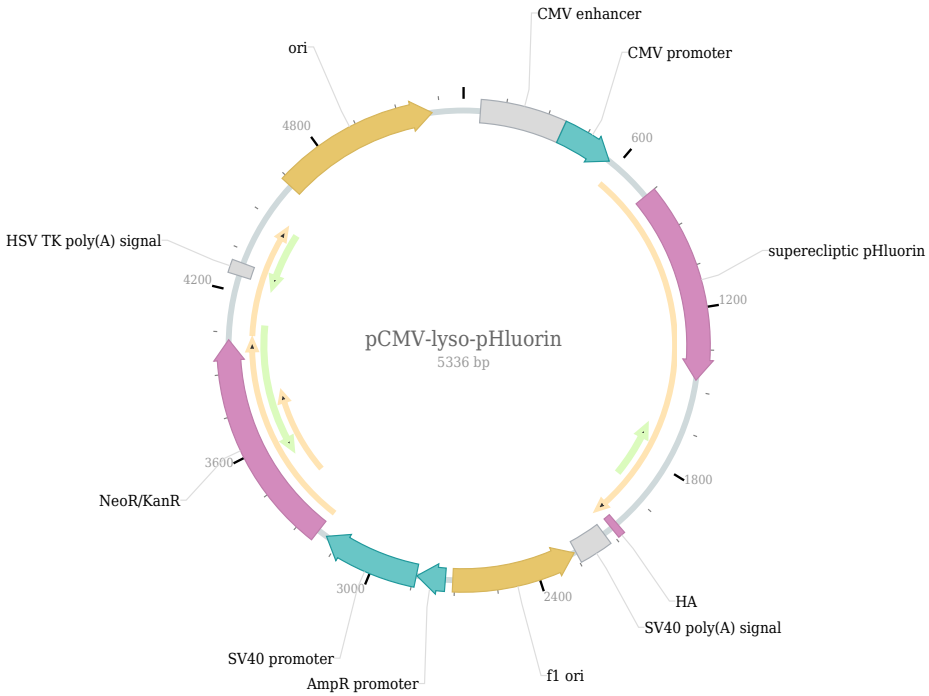
pCMV-lyso-pHluorin

Vector ID	V017308
Antibiotic Resistance	Kanamycin
Length	5336 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	CMV
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pCMV-lyso-pHluorin is a mammalian expression plasmid. Its CMV promoter drives CD63-lyso-pHluorin—a pH-sensitive fluorescent reporter targeted to lysosomes—enabling optical readout of lysosomal acidification in live cells, with G418 selection.

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 ℃.