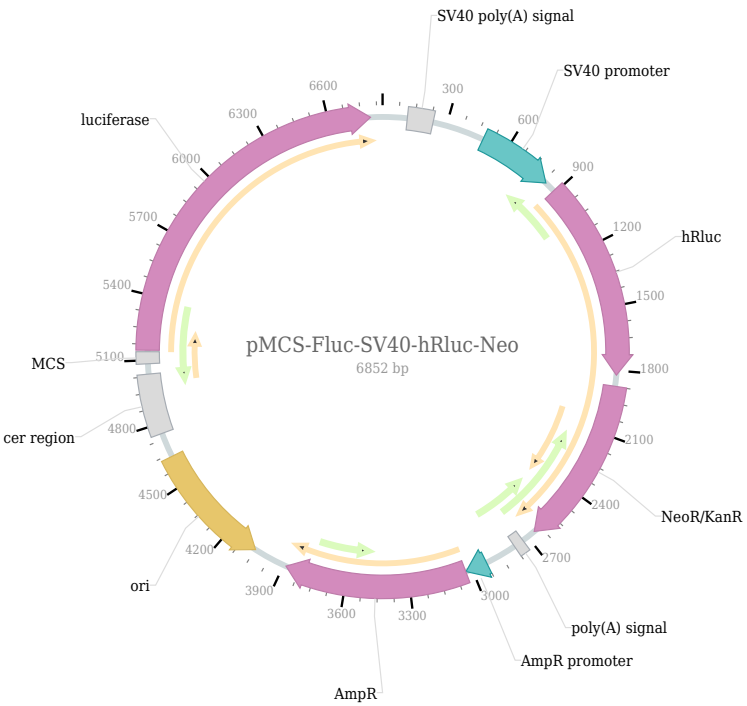
pMCS-Fluc-SV40-hRluc-Neo

Vector ID	V014202
Antibiotic Resistance	Ampicillin
Length	6852 bp
Vector Type	Luciferase reporter
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	SV40
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pMCS-Fluc-SV40-hRluc-Neo is a single-vector dual-luciferase mammalian reporter plasmid. A promoterless firefly luciferase (Fluc) sits downstream of an MCS for inserting test promoters or regulatory elements; a constitutive SV40 promoter drives humanized Renilla luciferase (hRluc) as an internal control. Neomycin (G418) supports stable lines; AmpR and pUC ori serve E. coli propagation, eliminating co-transfection ratio artifacts.

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 ℃.