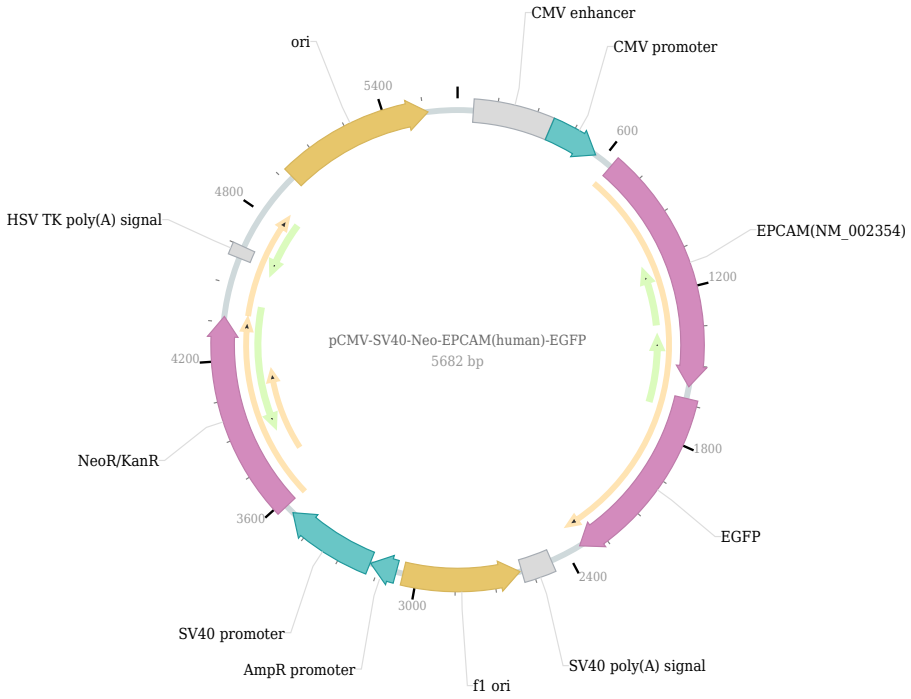
pCMV-SV40-Neo-EPCAM(human)-EGFP

Vector ID	V036981
Accession ID	NM_002354.3
Antibiotic Resistance	Kanamycin
Length	5682 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418;EGFP
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	EGFP
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	pCMV-SV40-Neo-EPCAM(human)-EGFP drives the expression of a human EPCAM-EGFP fusion protein under a strong CMV promoter. The construct includes a downstream SV40 poly(A) signal for transcript termination. It also features the NeoR/KanR gene, controlled by an SV40 promoter, for antibiotic selection in mammalian cells. Additionally, it contains an AmpR promoter and bacterial origin for propagation in E. coli.

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 ℃.