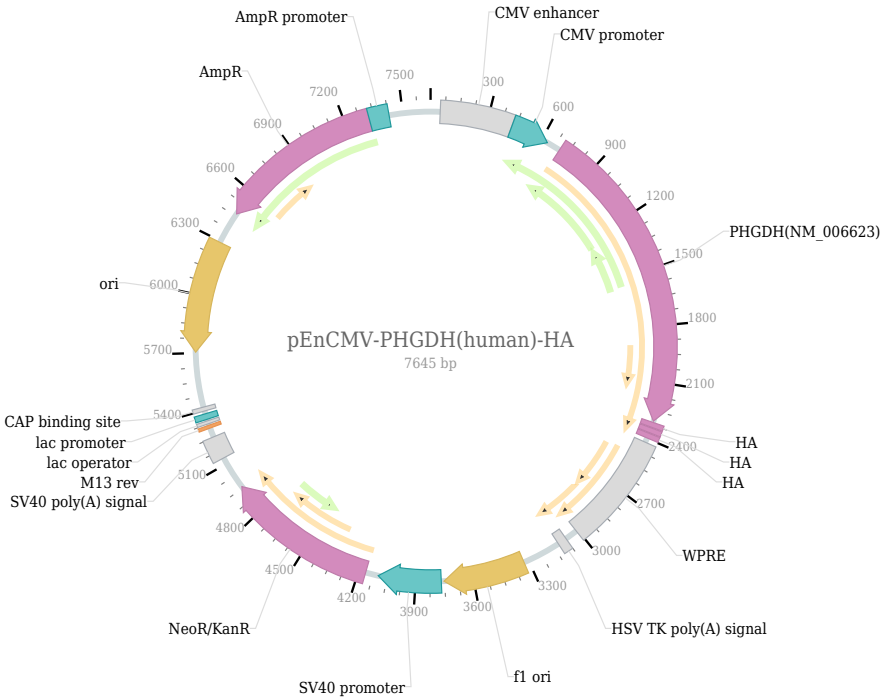
pEnCMV-PHGDH(human)-HA

Vector ID	V036784
Accession ID	NM_006623.4
Antibiotic Resistance	Ampicillin
Length	7645 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	HA
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	pEnCMV-PHGDH(human)-HA drives expression of human PHGDH, the rate-limiting enzyme in the serine biosynthesis pathway, with an HA tag. This 7645 bp eukaryotic vector uses a CMV promoter and enhancer for expression and an SV40 promoter for NeoR/KanR selection. It also includes WPRE, HSV TK poly(A) signal, AmpR, and ori for bacteria.

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 ℃.