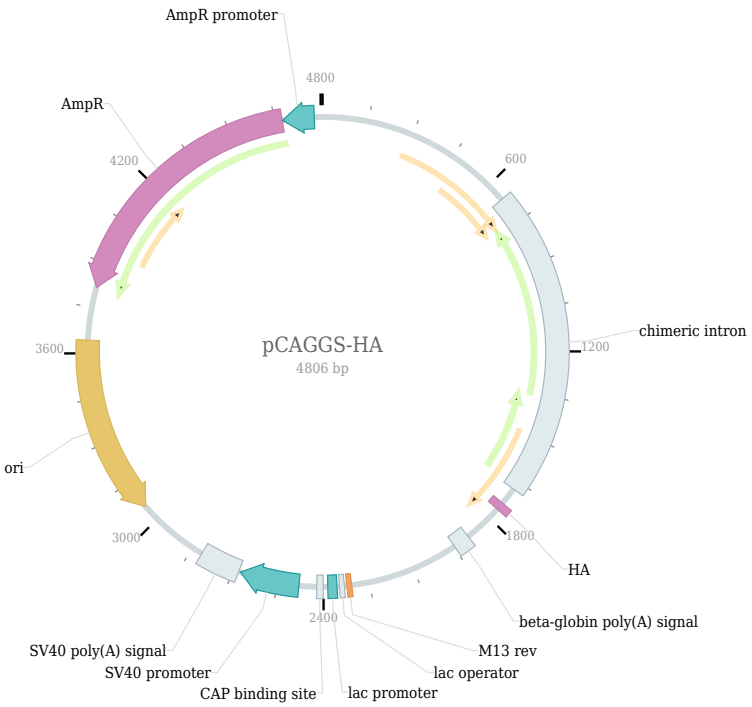
pCAGGS-HA

Vector ID	V012864
Accession ID	pCAGGS-HA-N
Antibiotic Resistance	Ampicillin
Length	4806 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Promoter	CAG
Growth Strain(s)	Top10
Growth Temperature	37℃
Comment	pCAGGS-HA is a mammalian expression plasmid based on the pCAGGS vector, featuring an added N-terminal influenza hemagglutinin (HA) epitope tag. It utilizes the potent CAG promoter (a hybrid of CMV enhancer and chicken β-actin promoter) to drive high-level transgene expression in various mammalian cells, such as 293T. The plasmid includes an ampicillin resistance gene (AmpR) for bacterial selection and an SV40 origin for replication in mammalian hosts.

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 ℃.