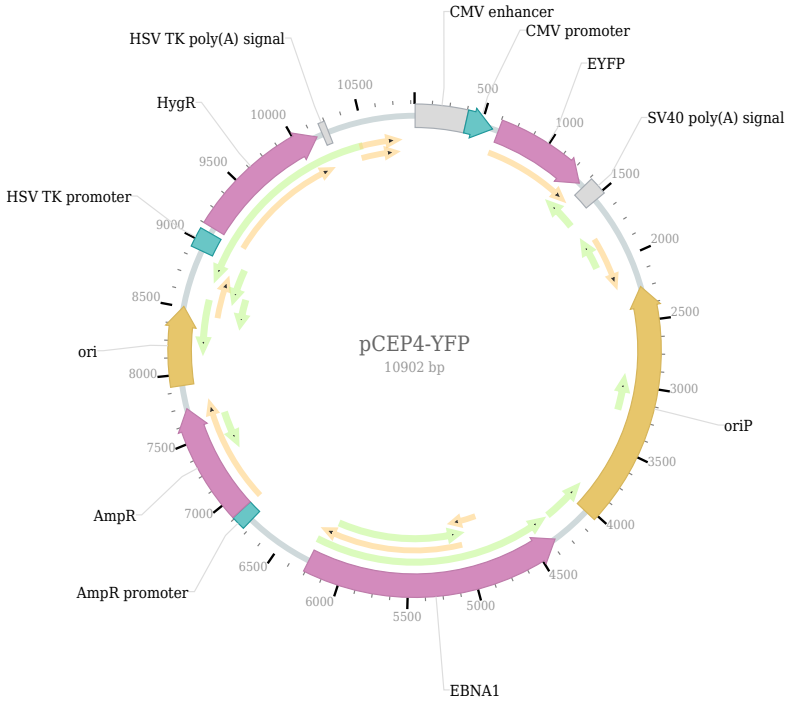
pCEP4-YFP

Vector ID	V000952
Antibiotic Resistance	Ampicillin
Length	10902 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Selection Marker	EYFP
Promoter	CMV
5' Primer	CMV-F: 5'-CGCAAATGGGCGGTAGGCGTG-3'
3' Primer	EBV-R:5'-GTGGTTTGTCCAAACTCATC-3'
Growth Strain(s)	Top10
Comment	pCEP4-YFP, as a pH-sensitive fluorescent reporter plasmid, is employed to quantify the proton channel activity of the bat influenza virus M2 protein. By monitoring YFP fluorescence changes, it assesses proton influx mediated by the M2 protein, revealing its low proton-conducting properties and the impact of the N31S mutation.

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 ℃.