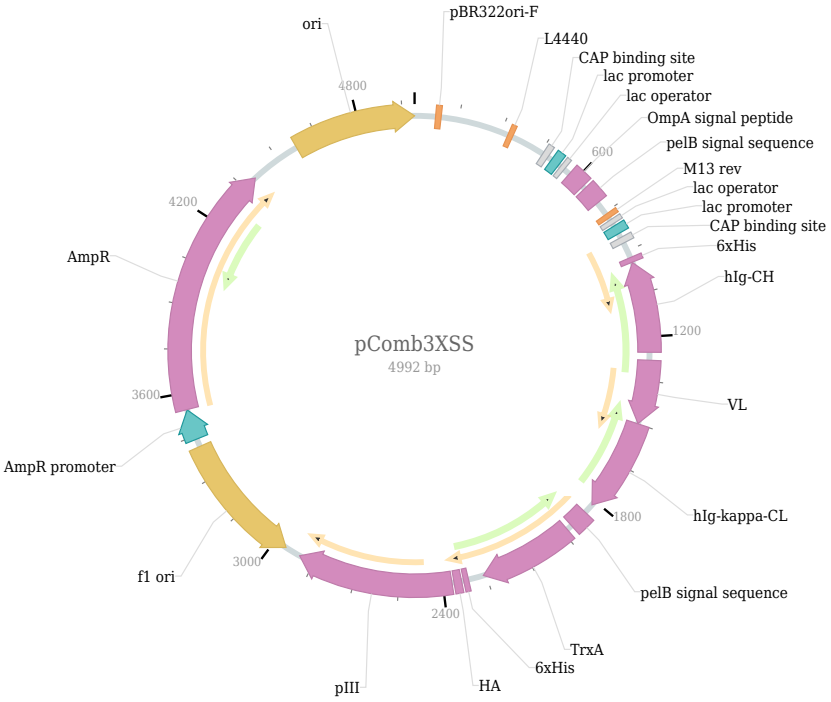
pComb3XSS

Vector ID	V001413
Antibiotic Resistance	Ampicillin
Length	4992 bp
Vector Type	Bacterial Expression ; phage display

Product Information

Replication Origin	ori
Copy Number	High Copy
Promoter	lacZ
Cloning Method	Restriction Enzyme
5' Primer	5'-AAG ACA GCT ATC GCG ATT GCA G-3'
3' Primer	5'-GCC CCC TTA TTA GCG TTT GCC ATC-3'
Fusion Tag	6xHis and HA tags
Growth Strain(s)	DH10B
Comment	pComb3XSS is recommended for preparation of vector for library cloning. The "SS" refers to the double stuffer, a 1180bp stuffer in the Fab light chain cloning region bounded by SacI and XbaI restriction sites and a 360bp stuffer in Fab heavy chain cloning region bound by XhoI and SpeI restriction sites. Also, the 1670bp double stuffer (both stuffers plus the leader sequence between the Fab light chain and heavy chain cloning regions) can be removed by SfiI digest so that non-Fab genes of interest can be cloned. Please use TG1 competent cells, 2x YT medium, 100 μg/mL ampicillin. Use SacI/XbaI and XhoI/SpeI to construct Fab library and SfiI to construct scFv library

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 ℃.