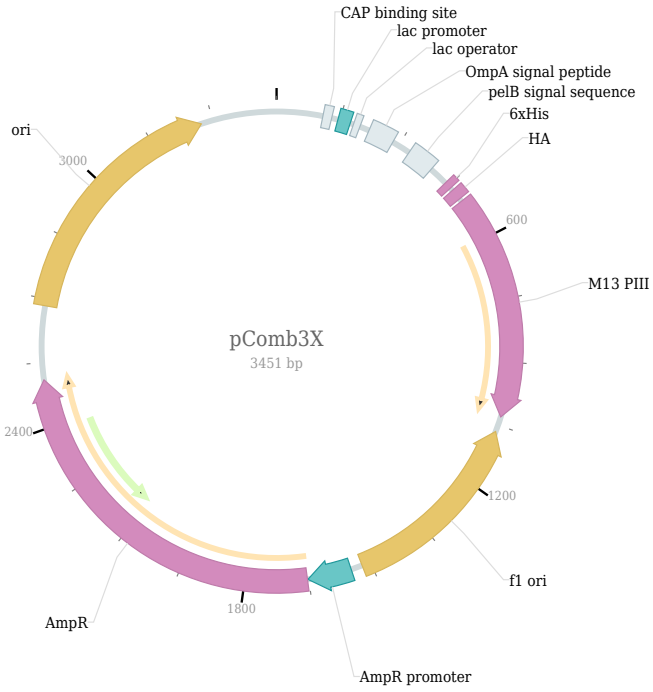
pComb3X

Vector ID	V008299
Antibiotic Resistance	Ampicillin
Length	3451 bp
Vector Type	Phagemid cloning vector

Product Information

Replication Origin	ori
Source/Author	Rader C, Barbas CF III.
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pComb3X is a new version of the pComb vectors. Improvements over pComb3 include increased stability and the introduction of an asymmetric SfiI cassette for directional cloning of full Fab, scFv, peptide, and other proteins for phage display. 6xHis and HA tags allow for purification and detection. An amber stop codon was introduced to turn off the expression of the pIII fusion protein by switching to a non-suppressor strain of E. coli allowing the production of soluble protein without subcloning.

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 ℃.