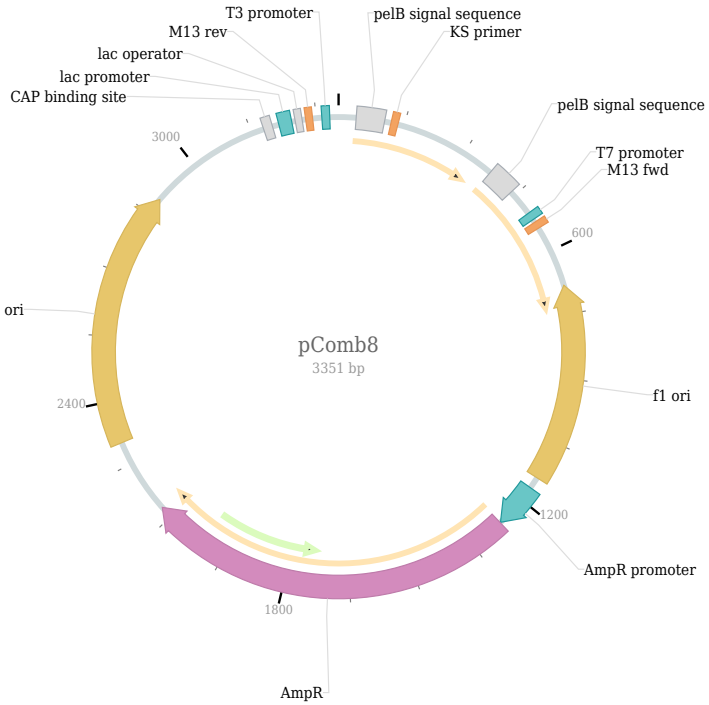
pComb8

Vector ID	V017373
Antibiotic Resistance	Ampicillin
Length	3351 bp

Product Information

Replication Origin	ori
Growth Strain(s)	XL1-Blue
Comment	pComb8 is a filamentous M13 phagemid vector developed alongside pComb3 for multivalent Fab antibody display via gVIII coat protein. It shares identical Fab cloning sites and pelB secretion signals with pComb3, and SpeI/NheI digestion removes gVIII to produce soluble Fab. Its high copy Fab display creates avidity effects that enrich low-affinity binders but fails to distinguish high- and moderate-affinity antibodies. Typically paired with monovalent pComb3: pComb8 performs initial library panning, while pComb3 isolates high-affinity antibody clones afterwards.

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 ℃.